				Total Dollars	GHG Reductions	MTCO2e / \$	\$ Implemented	Number of	GHG Reduction	Project Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Places 100 BEV/PHEVs (50 BEV, 30 PHEV, 20 Hybrid) and 110								
	Car Sharing and Mobility	City of Los Angeles Car	Level 2 EVSE in top 10% DCs serving over 7,000 Disadvantaged								
Air Resources Board	Options Pilot Project	Sharing Pilot Project	Community participants.	\$1,669,343	TBD	TBD	TBD	1	2015	3	Los Angeles
		San Diego Association of	Expands existing free-floating 400 full electric vehicle sharing								
	Car Sharing and Mobility	Governments Car Sharing	system (trips can end anywhere in service area) to top 10% DCs								
Air Resources Board	Options Pilot Project	Pilot Project	Barrio Logan and Logan Heights DCs.	\$300,000	TBD	TBD	TBD	1	2015	2	San Diego
			The Class Vehicle Behate Project (CVBD) promotes class vehicle								
			The Clean Vehicle Rebate Project (CVRP) promotes clean vehicle								
			adoption by offering rebates of up to \$5,000 for the purchase or								Various
Air Resources Board	Clean Vehicle Rebate Project	CVBD	lease of new, eligible zero-emission vehicles, including electric,	\$20,000,000	470,930	0.0235	\$42	9,697	2014		
All Resources Board	Clean Venicle Repate Project	CVRP	plug-in hybrid electric and fuel cell vehicles.	\$20,000,000	470,930	0.0233	Ş42	9,097	2014	15	Statewide
			The Clean Vehicle Rebate Project (CVRP) promotes clean vehicle								
			adoption by offering rebates of up to \$5,000 for the purchase or								
			lease of new, eligible zero-emission vehicles, including electric,								Various
Air Resources Board	Clean Vehicle Rebate Project	CVRP	plug-in hybrid electric and fuel cell vehicles.	\$109,483,000	2,436,506	0.0223	\$45	49,753	2015		Statewide
			programmy and the control of the con	+ = = = ,	_,,	0.0110	 	10,100			
			The Clean Vehicle Rebate Project (CVRP) promotes clean vehicle								
			adoption by offering rebates of up to \$5,000 for the purchase or								
			lease of new, eligible zero-emission vehicles, including electric,								Various
Air Resources Board	Clean Vehicle Rebate Project	CVRP	plug-in hybrid electric and fuel cell vehicles.	\$6,378,872	140,849	0.0221	\$45	2,877	2016	15	Statewide
			The California Air Resource Board is initiating a pilot project in								
	Enhanced Fleet		the Greater Los Angeles area and San Joaquin Valley to help low-								
	Modernization Program Plus-		income individuals and families get rid of old polluting vehicles								Various
Air Resources Board	Up	EFMP	and purchase much cleaner and more fuel-efficient cars.	\$928,149	2,662	0.0029	\$349	265	2015	3	Statewide
	Hybrid and Zero-Emission		Provides vouchers for the purchase of zero-emission trucks or								
	Truck and Bus Voucher		buses to help speed early market introduction of low-carbon								Various
Air Resources Board	Incentive Project (HVIP)	HVIP	vehicles.	\$10,000,000	22,316	0.0022	\$448	373	2014	15	Statewide
	Hybrid and Zero-Emission		Provides vouchers for the purchase of zero-emission trucks or								
	Truck and Bus Voucher		buses to help speed early market introduction of low-carbon	4			4				Various
Air Resources Board	Incentive Project (HVIP)	HVIP	vehicles.	\$1,000,000	2,118	0.0021	\$472	31	2015	15	Statewide
	In autono and Imposed in the first		Public Fleet Vehicle Upgraded. Program provides rebates for								
	Increased Incentives for		plug in hybrid electric vehicles, battery electric vehicles, and fuel								Varians
Air Dasaurasa Daard	Public Fleets Pilot Project in	DED	cell vehicles for public fleets operating in disadvantaged communities	¢1 224 200	1 673	0.0013	¢700	172	2015		Various
Air Resources Board	Disadvantaged Communities	PFP	Funding to restore parcels severely damaged in the 2013 Rim	\$1,334,308	1,672	0.0013	\$798	1/2	2015	3	Statewide
			Fire by replanting and controlling for competing brush on								
CAL FIRE	Forest Health Program	Schaezlein CFIP	replanted areas.	\$49,996	1,783	0.0357	\$28	1	2019	60	Tuolumne
CALTINE	Torest ficaltiff fogram	Jenaeziem ern	Funding to restore parcels severely damaged in the 2013 Rim	Ş 4 5,550	1,703	0.0337	720		2013	00	radiamine
			Fire by replanting and controlling for competing brush on								
CAL FIRE	Forest Health Program	Crook CFIP	replanted areas.	\$49,366	4,541	0.0920	\$11	1	2019	60	Tuolumne
G. (2) III.	r or est rreamm r ogram	G. GGW G. W.	Funding to restore parcels severely damaged in the 2013 Rim	ψ 15/555	.,5 .1	0.0320	Ψ-1-				
			Fire by replanting and controlling for competing brush on								
			replanted areas. Removed dead materials will be utilized as								
CAL FIRE	Forest Health Program	Manly CFIP	biomass fuel production.	\$34,224	1,735	0.0507	\$20	1	2019	60	Tuolumne
		,	Funding to maintain multi-landowner established plantations		,						
			through a light pre-commercial thinning and release treatment								
		Massetti Plantation	as well as interplanting the project area to secure full								
CAL FIRE	Forest Health Program	Maintenance	regeneration.	\$49,500	2,316	0.0468	\$21	1	2019	60	Madera
			Funding to restore lands severely damaged in the 2013 Rim Fire								
			through site preparation, planting and release treatments to								
			control brush. Removed of sub-merchantable trees and woody								
CAL FIRE	Forest Health Program	Erickson CFIP	material will be utilized as biomass fuel production.	\$49,500	4,372	0.0883	\$11	1	2019	60	Tuolumne

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	, ,	Implemented		Reduction		
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Funding to restore lands burned in the 2009 Sugarloaf Fire								
			through site preparation, tree planting, gopher population								
CAL FIRE	Forest Health Brogram	Halanany Bridge Branerty	control, and release treatments to reduce competing vegetation	\$17,719	808	0.0456	\$22	1	2019	60	Shasta
CAL FIRE	Forest Health Program	Halpenny - Bridge Property	and promote growth.	\$17,719	000	0.0456	\$22	1	2019	60	Silasta
			Funding to restore lands burned in the 2012 Robbers Fire								
			through site preparation, tree planting, and release treatments								
CAL FIRE	Forest Health Program	Shirttail Manly	to reduce competing vegetation and promote growth.	\$71,488	11,356	0.1589	\$6	1	2019	60	Placer
		,	1 0 0 1	. ,	,						
			Funding to restore lands burned in the 2014 Euler Fire through								
			site preparation, tree planting, and release treatments to reduce								
CAL FIRE	Forest Health Program	Honn Ranch Reforestation	competing vegetation and promote growth.	\$65,456	4,222	0.0645	\$16	1	2019	80	Shasta
			Funding to restore lands burned in the 2014 Euler Fire through								
			site preparation, tree planting, and release treatments to reduce								
CAL FIRE	Forest Health Program	Circle U Ranch	competing vegetation and promote growth.	\$99,959	11,550	0.1155	\$9	1	2019	60	Shasta
			Funding to rectard lands howard in the 2014 Fular Fire through								
			Funding to restore lands burned in the 2014 Euler Fire through								
CAL FIDE	Forest Health Dragger	Drown Danch	site preparation, tree planting, and release treatments to reduce	¢00.0F1	22 107	0.2221	Ć 4	1	2019	60	Chasta
CAL FIRE	Forest Health Program	Brown Ranch	competing vegetation and promote growth. Funding to restore lands burned in the 2014 Euler Fire through	\$99,951	23,197	0.2321	\$4		2019	60	Shasta
CAL FIRE	Forest Health Program	Ryman	site preparation and tree planting.	\$9,890	1,323	0.1338	\$7	1	2019	60	Shasta
CALFINE	Forest Health Flogram	Ryman	site preparation and tree planting.	<i>ک</i> وه,وچ	1,323	0.1336	پ ر	1	2019	00	Silasta
			Funding to restore lands burned in the 2014 Euler Fire through								
			site preparation, tree planting, and release treatments to reduce								
CAL FIRE	Forest Health Program	Bidwell Property	competing vegetation and promote growth.	\$16,624	177	0.0106	\$94	1	2019	80	Shasta
• • • • • • • • • • • • • • • • • • • •			and the same of th	+==/==							
			Funding to restore lands burned in the 2014 Euler Fire through								
		Lakey Trust Property / Pam	site preparation, tree planting, and release treatments to reduce								
CAL FIRE	Forest Health Program	Giacomini	competing vegetation and promote growth.	\$45,068	3,760	0.0834	\$12	1	2019	60	Shasta
			Funding to restore lands burned in the 2014 Euler Fire through								
			site preparation, tree planting, and release treatments to reduce								
CAL FIRE	Forest Health Program	Royston Property	competing vegetation and promote growth.	\$24,114	626	0.0260	\$39	1	2019	60	Shasta
			Foodback and a selection by a selection of the 2014 Folia Fire the selection of								
			Funding to restore lands burned in the 2014 Euler Fire through								
CAL FIDE	Sanash Haalth Duasaas	Para Mala angar	site preparation, tree planting, and release treatments to reduce	Ć45 7C0	4 022	0.0654	Ć4.F	4	2040	60	Clarata
CAL FIRE	Forest Health Program	Jim Halpenny	competing vegetation and promote growth. Funding to restore lands burned in the 2014 Euler Fire through	\$15,769	1,032	0.0654	\$15	1	2019	60	Shasta
CAL FIRE	Forest Health Program	Ward	site preparation and tree planting.	\$11,331	1,323	0.1168	\$9	1	2019	60	Shasta
CALTINE	Torest Health Flogram	VValu	Funding to restore lands burned in the 2014 Euler Fire through	711,331	1,323	0.1108	79	1	2013	00	Silasta
CAL FIRE	Forest Health Program	Damon	site preparation and tree planting.	\$8,763	1,323	0.1510	\$7	1	2019	60	Shasta
or terme	orest realth regram	Jamen	Funding to restore lands burned in the 2014 Euler Fire through	φο, σο	1,313	0.1310	Ψ.		2013		J. i.a.s.ta
CAL FIRE	Forest Health Program	Hanson	site preparation and tree planting.	\$9,619	1,323	0.1375	\$7	1	2019	60	Shasta
		Protecting and increasing			,						
		carbon capture in California	Funding to implement treatments and provide scientific and								
		forests attacked by insects	practical guidance to enable pest management interventions								
CAL FIRE	Forest Health Program	and pathogens	that benefit carbon sequestration.	\$518,797	12,213	0.0235	\$42	1	2019	60	Marin
			Funding to improve forest health by selectively reducing								
			accumulation of dead and dying Monterey pine, reducing stand								
			replacement fire risk, removing invasive, restricting disease								
			spread and encouraging regeneration of healthy native pine	_							San Luis
CAL FIRE	Forest Health Program	Cambria Forest Health	seedlings.	\$498,736	5,235	0.0105	\$95	1	2019	50	Obispo
		Redwood Valley Sudden Oak	Funding to thin Tanoak and remove bay laurel to reduce the								
CAL 5135		Death Biomass Removal	potential spread of the sudden oak death pathogen and	4-4			1 = -	_			11 . 1 . 12:
CAL FIRE	Forest Health Program	Project	replanting with non-susceptible hosts.	\$527,396	9,120	0.0173	\$58	1	2019	60	Humboldt

Agency	Program	Project Name	Description	Total Dollars	GHG Reductions (MTCO2e)	MTCO2e / \$	\$ Implemented / MTCO2e	Number of Projects	GHG Reduction Start	Project Life (Years)	County
		·		·	, ,	·					
		Returning Redwoods: testing									
		Cultivar and Seedlings for	Funding to test reduced cultiver and coedlings for survival and								
CAL FIRE	Forest Health Program	Degraded Forestland	Funding to test redwood cultivar and seedlings for survival and growth in grassy, degraded forestland areas.	\$167,735	1,259	0.0075	\$133	1	2019	60	Mendocino
CALFINE	rolest Health Flogram	Barry Point Restoration	Funding to restore lands burned in the 2012 Barry Point Fire	\$107,733	1,239	0.0073	\$133	т	2019	- 00	IVIENDOCINO
CAL FIRE	Forest Health Program	Project	through reforestation.	\$500,000	503,489	1.0070	\$1	1	2019	80	Modoc
			Funding to restore lands burned in the 2014 Day Fire through								
CAL FIRE	Forest Health Program	2014 Day Fire Restoration	reforestation.	\$489,963	494,969	1.0102	\$1	1	2019	60	Modoc
		Cond Fine West and a d	Funding to restore lands burned in the 2014 Sand Fire through								
		Sand Fire Watershed	site preparation and tree planting as well as reducing wildfire								A
CAL FIDE	Foundt Hoolth Dungan	Rehabilitation and	risk in the future by removing debris and dead trees. Project also	¢702 FF4	F0 F3F	0.0720	¢1.4	1	2010		Amador, El
CAL FIRE	Forest Health Program	Reforestation Project	has an education component on wildfire response.	\$793,551	58,525	0.0738	\$14	1	2019	60	Dorado
			Funding to restore lands burned in the 2014 King Fire through								
		King Fire Watershed	site preparation and tree planting as well as reducing wildfire								
		Rehabilitation and	risk in the future by removing debris and dead trees. Project also								
CAL FIRE	Forest Health Program	Reforestation Project	has an education component on wildfire response.	\$1,893,957	169,671	0.0896	\$11	1	2019	60	El Dorado
		Coordinated Watershed	Funding to protect watersheds and restore lands burned in the	. , ,	,		·				
		Reforestation of 92,000+	2014 King Fire, 2013 American Fire, 2012 Robbers Fire, and 2001								El Dorado,
CAL FIRE	Forest Health Program	Acres Burned	Star Fire through reforestation.	\$1,547,622	714,506	0.4617	\$2	1	2019	60	Placer
			Funding to place a working forest conservation easement on 597								
CAL FIRE	Forest Legacy Program	Rainbow Ridge	acres in Siskiyou County.	\$225,000	72,566	0.3225	\$3	1	2016	10	Siskiyou
			Funding to place a working forest conservation easement on 860								
CAL FIRE	Forest Legacy Program	Pacific Union College	acres in Napa County.	\$2,850,000	75,803	0.0266	\$38	1	2017	10	Napa
0.4. 51D5			Funding to purchase in fee and place a working forest	4000.000	222.077	0.2011	40		2047	10	
CAL FIRE	Forest Legacy Program	Jacoby Creek	conservation easement on 967 acres in Humboldt County.	\$800,000	232,877	0.2911	\$3	1	2017	10	Humboldt
CAL FIRE	Forest Legacy Program	Jolly Giant Creek	Funding to purchase in fee and place a working forest conservation easement on 20 acres in Humboldt County.	\$150,000	6,245	0.0416	\$24	1	2017	10	Humboldt
CALTINE	Totest Legacy Program	John Glant Creek	conservation easement on 20 acres in Humbolit County.	\$130,000	0,243	0.0410	724		2017	10	Hambolat
			This project will reduce GHG by funding the planting of at least								
			2,500 drought tolerant trees in a variety of green infrastructure								
			projects through smaller sub-grants. At least 70% of the sub-								
			grants will be in disadvantaged communities as identified by Cal								
	Urban and Community		EPA, with the remainder directly serving disadvantaged								Statewide
CAL FIRE	Forestry Program	Planting with Purpose	communities. The eligibility will be state-wide.	\$649,965	6,757	0.0104	\$96	8 to 10	2016	40	(Various)
			The section of the section 2 000 december 11 and 12 and 13 and 14 and 15								
			The project will reduce GHG by planting 3,000 drought tolerant								
			trees in private and public spaces in under-canopied,								
			disadvantaged communities in the Sacramento area. The								
	Urban and Community	NeighborWoods in South	project will do this by involving the residents of the community in the plantings using site-based solutions. Participants will								
CAL FIRE	Forestry Program	Sacramento	receive education and training in tree establishment and care.	\$1,000,000	15,105	0.0151	\$66	1	2016	. 40	Sacramento
CALTINE	Totestry Frogram	Sacramento	Tree planting and vegetated storm water capture for a new park	\$1,000,000	13,103	0.0131	500	1	2010	40	Sacramento
			in Farmersville, CA. Capturing this runoff will assist in								
		Farmersville Urban Forest	groundwater recharge. The park, including the portion funded								
	Urban and Community	Restoration and Park	by this project, is in and serves the entire disadvantaged								
CAL FIRE	Forestry Program	Development	community.	\$270,000	139	0.0005	\$1,949	1	2016	40	Tulare
			The project will implement green infrastructure elements,								
			including tree planting (600), to transform the project site								
			(abandoned school) into a community asset for the								
			disadvantaged community, reduce greenhouse gas emissions,								
CAL FIRE	Urban and Community	Mulhall Family Center Green	demonstrate the benefits in reducing the consumption of energy	6750 000	2.076	0.0044	^^ ^ ^ ^ ^ ^ ^ ^ ^ ^	_	204.0		
CAL FIRE	Forestry Program	Infrastructure Project	and water resources, and improved storm water management.	\$750,000	3,076	0.0041	\$244	1	2016	<u> </u>	Los Angeles

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	MTCO2e / \$	Implemented		Reduction	_	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			The project will modify infrastructure as needed to plant and		,		,	,		, ,	,
	Urban and Community		maintain 1,200 large statured trees in disadvantaged								
CAL FIRE	Forestry Program	San Diego Tree Advantage	communities to reduce greenhouse gas emissions.	\$750,000	8,009	0.0107	\$94	1	2016	40	San Diego
			This project will reduce GHG by planting 1,120 trees while also								
			making needed infrastructure modifications to support growing								
			of large trees. The project will conserve potable water by								
	University of Community	Current Standard the seconds	removing turf on medians as well as coordinate turf removal in								
CAL FIDE	Urban and Community	Green Streets through	yards and conserve electricity by locating shade trees near	\$220.725	1 902	0.0057	\$174	1	2016	40	Los Angolos
CAL FIRE	Forestry Program	Community Engagement	residences in disadvantaged communities. The project aims to use state-wide sub-grants to improve and	\$329,725	1,893	0.0057	\$174	1	2016	40	Los Angeles
			enrich disadvantaged communities by planting 1,350 site-								
			adapted and drought tolerant trees of various species. This will								
			be accomplished utilizing a public/private partnership in hiring								
			local residents of the selected disadvantaged communities to aid								
		California Initiative to Reduce	in the planting and care of these trees with a further aim of long-								
	Urban and Community	Carbon and Limit Emissions	term employment for the residents.								Statewide
CAL FIRE	Forestry Program	(CIRCLE)	· ´	\$750,000	8,015	0.0107	\$94	TBD	2016	40	(Various)
			The project will recruit, hire and train youth and young adults								
			from local disadvantaged communities to plant 3,000 drought tolerant trees, create 3,600 linear feet of vegetated stormwater								
			capture, install 25 street-side vegetated rain gardens, and								
			convert 25 front yards (37,500 square feet) to drought tolerant								
			landscaping that includes trees. The project will simultaneously								
			achieve GHG, water conservation, water quality, water supply,								
		San Pedro Urban Forest	air quality, public health and beautification benefits that will be								
	Urban and Community	Ecosystem Restoration	well documented and replicable by other disadvantaged								
CAL FIRE	Forestry Program	Project	communities.	\$1,481,999	10,335	0.0070	\$143	1	2016	40	Los Angeles
			The project will sub-grant funds in and serving disadvantaged								
			communities statewide to plant and maintain 3,500 trees for								
		California Balantia 2045 Cantal	greenhouse gas emission reduction and numerous other								
	Lisban and Community	California ReLeaf 2015 Social	community benefits. At least 60% of the sub-grants will be in								Ctatavida
CAL FIRE	Urban and Community Forestry Program	Equity Tree Planting Grant	disadvantaged communities, with the remainder directly serving disadvantaged communities.	\$749,500	13,269	0.0177	¢ E G	TBD	2016	40	Statewide (Various)
CALFINE	Forestry Frogram	Program	The project will plant and establish trees in disadvantaged	\$749,300	13,209	0.0177	\$30	IBD	2010	40	(various)
			communities to reduce greenhouse gas emissions, reduce								
	Urban and Community	Healthy Trees, Healthy Kids!	stormwater runoff, and provide numerous other community								
CAL FIRE	Forestry Program	2.0	benefits.	\$329,711	2,035	0.0062	\$162	1	2016	40	San Mateo
				•							
			The project will employ local residents to plant and maintain								
	Urban and Community		trees within disadvantaged communities to reduce greenhouse								
CAL FIRE	Forestry Program	Ten Thousand Trees 2.0	gas emissions and provide numerous other community benefits.	\$497,266	3,181	0.0064	\$156	1	2016	40	Contra Costa
			The project will plant and maintain 5 000 drought talarant trans								
			The project will plant and maintain 5,000 drought tolerant trees in disadvantaged communities. This will have very high GHG								
			benefits and numerous co-benefits. Additionally, the project								
			creates strong local capacity to continue planting and								
			maintaining trees in the future by re-establishing a city-run								
			nursery operation. This will assist the city with mitigating a pest								
	Urban and Community	Modesto Tree Replanting	and disease issue that has been problematic. There will be an								
CAL FIRE	•	Activity	outreach and education component.	\$326,940	17,283	0.0529	\$19	1	2016	40	Stanislaus
CAL FIRE	Forestry Program	Activity	outreach and education component.	\$326,940	17,283	0.0529	\$19	1	2016	40	Stanislaus

Agonov	Drogram	Project Name	Description	Total Dollars Implemented	GHG Reductions (MTCO2e)	MTCO2e / \$ Implemented	\$ Implemented / MTCO2e	Number of Projects	GHG Reduction Start	Project Life (Years)	County
Agency	Program	Project Name	Description	implemented	(IVITCO2E)	implemented	/ WITCOZE	Projects	Start	(Tears)	County
			The project will employ local youth to plant and maintain trees								
	Urban and Community		within disadvantaged communities to reduce greenhouse gas								
CAL FIRE	Forestry Program	Green Trees For Yuba County	emissions and provide numerous other community benefits.	\$291,107	1,395	0.0048	\$209	1	2016	40	Yuba
	, 5	· ·	Plant and establish trees both in and serving disadvantaged	. ,	ŕ						
			communities to reduce greenhouse gas emissions, reduce								
	Urban and Community	West Sacramento Trees for	stormwater runoff, and provide numerous other community								
CAL FIRE	Forestry Program	Tomorrow	benefits.	\$537,092	3,298	0.0061	\$163	1	2016	40	Yolo
		Green Tree For The Golden	The project will employ local youth to plant and maintain trees								
	Urban and Community	State: Trees for Oakland	within disadvantaged communities to reduce greenhouse gas								
CAL FIRE	Forestry Program	Flatlands	emissions and provide numerous other community benefits.	\$749,953	1,295	0.0017	\$579	1	2016	40	Oakland
			The project will employ local youth to plant and maintain trees								
	Urban and Community	Advancing Communities via	within disadvantaged communities to reduce greenhouse gas							_	
CAL FIRE	Forestry Program	Forestry and Training	emissions and provide numerous other community benefits.	\$675,000	9,284	0.0138	\$73	1	2016	40	Los Angeles
			The project will plant and establish trees in disadvantaged								
			communities to reduce greenhouse gas emissions, reduce								
041 5105	Urban and Community	Trees for the Oakland	stormwater runoff, and provide numerous other community	†240.000	2 257	0.0070	4427	4	2016	40	
CAL FIRE	Forestry Program	Flatlands	benefits.	\$310,000	2,257	0.0073	\$137	1	2016	40	Oakland
			The project will work with disadvantaged communities								
			throughout the south county to plant and maintain 850 drought								
			tolerant trees and 150 fruit trees for greenhouse gas reductions								
			and numerous other community benefits. In carrying out the								
			project, an urban tree planting and care training program will be								
	Urban and Community		developed and implemented as a way to provide job training for								San
CAL FIRE	Forestry Program	Neighborhood Grow	20 individuals from the disadvantaged communities served.	\$615,200	1,630	0.0027	\$377	1	2016		Bernardino
CALFIRE	Forestry Program	Neighborhood Grow	The project will employ local youth to plant and maintain trees	\$015,200	1,030	0.0027	Ş3//	1	2010	40	Bernarumo
			within disadvantaged communities in south Los Angeles to								
	Urban and Community	South LA Carbon Into Canopy:	reduce greenhouse gas emissions and provide numerous other								
CAL FIRE	Forestry Program	Vermont Corridor	community benefits.	\$750,000	6,076	0.0081	\$123	1	2016	40	Los Angeles
CALTINE	Torestry Frogram	Vermont corridor	This project will plant and establish trees in disadvantaged	\$750,000	0,070	0.0001	7123		2010	70	LOS Aligeres
			communities to reduce greenhouse gas emissions, reduce								
	Urban and Community		stormwater runoff, and provide numerous other community								
CAL FIRE	Forestry Program	Green Trees For Parlier	benefits.	\$150,000	2,208	0.0147	\$68	1	2016	40	Fresno
			The project will employ local youth to plant and maintain trees	+===,		0.02.1	7				
		Tree Planting in	within disadvantaged communities in the San Fernando Valley to								
	Urban and Community	Disadvantaged San Fernando	reduce greenhouse gas emissions and provide numerous other								
CAL FIRE	Forestry Program	Valley Communities	community benefits.	\$750,000	5,679	0.0076	\$132	1	2016	40	Los Angeles
		·	The project will employ 36 local young adults to plant and								
			maintain trees within disadvantaged communities to reduce								
			greenhouse gas emissions and provide numerous other								
	Urban and Community		community benefits. The project will also educate and train								
CAL FIRE	Forestry Program	Trees For All	local residents in how to care for the trees.	\$749,984	2,778	0.0037	\$270	1	2016	40	Santa Clara
			Conduct a city-wide tree inventory. Conduct an urban forest								
			canopy assessment. Create a comprehensive long-term urban								
			forest management plan for the city. Plant and maintain trees in								
		City of San Diego Tree	disadvantaged communities for early action contributing to long								
	Urban and Community	Inventory, Canopy	term management objectives, including greenhouse gas								
CAL FIRE	Forestry Program	Assessment and Tree Planting	reductions.	\$750,000	2,373	0.0032	\$316	1	2016	40	San Diego

				Total Dollars	GHG	MTCO20/¢	\$ Implemented	Number	GHG	Project Life	
Agency	Program	Project Name	Description	Implemented	Reductions (MTCO2e)	MTCO2e / \$ Implemented	Implemented / MTCO2e	of Projects	Reduction Start	(Years)	County
, igency	1108.0	Troject Hame	Conduct a city-wide tree inventory. Use the tree inventory and	Implemented	(11110020)	mpremened	, coze	110,000	Jeane	(10013)	Country
			other analysis to inform a comprehensive long-term urban								
			forest management plan for the city. Plant and maintain trees in								
			disadvantaged communities for early action contributing to long								
	Urban and Community	National City Urban Forest	term management objectives, including greenhouse gas								
CAL FIRE	Forestry Program	Management Planning	reductions.	\$250,285	1,212	0.0048	\$206	1	2016	40	San Diego
			Conduct a city-wide tree inventory. Use the tree inventory and								
			other analysis to inform a comprehensive long-term urban forest management plan for the city. Plant and maintain trees in								
		Colton Urban Forestry	disadvantaged communities for early action contributing to long								
	Urban and Community	Management Plan and Tree	term management objectives, including greenhouse gas								San
CAL FIRE	Forestry Program	Inventory	reductions.	\$173,310	717	0.0041	\$242	1	2016		Bernardino
	, ,	,					·				
			Conduct an urban forest canopy assessment. Create a								
			comprehensive long-term urban forest management plan for the								
	l		city. Plant and maintain trees in disadvantaged communities for								
041 FIDE	Urban and Community	Salinas Forest Management	early action contributing to long term management objectives,	6470 440	4 200	0.0050	.	4	2046	40	. .
CAL FIRE	Forestry Program	Plan	including greenhouse gas reductions.	\$173,118	1,203	0.0069	\$144	1	2016	40	Monterey
			Conduct an urban forest canopy assessment. Create a								
			comprehensive long-term urban forest management plan for the								
		Atwater Urban Forest	city. Plant and maintain trees in disadvantaged communities for								
	Urban and Community	Management Plan for GHG	early action contributing to long term management objectives,								
CAL FIRE	Forestry Program	Reduction	including greenhouse gas reductions.	\$150,000	777	0.0052	\$193	1	2016	40	Merced
			Conduct an urban forest canopy assessment. Create a								
		City of Datterson	comprehensive long-term urban forest management plan for the								
	Urban and Community	City of Patterson "Management Activities For	city. Plant and maintain trees in disadvantaged communities for early action contributing to long term management objectives,								
CAL FIRE	Forestry Program	GHG Reduction" Project	including greenhouse gas reductions.	\$150,400	1,664	0.0111	\$90	1	2016	40	Stanislaus
CALTINE	1 orestry i rogram	GITO REduction Troject	This project is anticipated to mill 1,820 logs from urban tree	\$130,400	1,004	0.0111	750		2010	10	Stariisiaas
			removals over the project period. These are logs that would								
			otherwise be sent to landfills in the vast majority of cases. By								
			creating usable products, unique works of art and basic lumber								
			from logs that would otherwise be viewed as waste and sent to								
			the landfill, GHG is reduced and this very usable material is								
	lu ha a a a d Canada a ti		diverted from the waste stream. The project is located in a								
CAL FIRE	Urban and Community Forestry Program	Urban Wood Rescue	disadvantaged community and will provide opportunities for jobs.	\$498,303	710	0.0014	\$702	1	2016	40	Sacramento
CALTINE	Tolestry Frogram	Orban Wood Nescue	Jobs.	Ş498,303	710	0.0014	\$702		2010	40	Sacramento
			The Verwey-Hanford Dairy Digester project is a new covered								
			lagoon digester proposed at Philip Verwey Farms #2 dairy. The								
California Department of	Dairy Digester Research and	Verwey-Hanford Dairy	biogas from the digester will be used to produce approx. 7.6								
Food and Agriculture	Development	Digester	million kWh of renewable electricity per year.	\$3,000,000	535,770	0.1786	\$6	1	2017	10	Kings
			The West of Market Ball St. 1								
			The Verwey-Madera Dairy Digester project is a new covered								
California Donartment of	Dairy Digester Research and	Verwey-Madera Dairy	lagoon digester to be installed at Philip Verwey Farms #1. The biogas from the digester will be used to produce approx. 4.8								
Food and Agriculture	Development	Digester	million kWh renewable electricity per year.	\$2,281,091	240,000	0.1052	\$10	1	2017	10	Fresno
. Joa ana Agriculture	2 over opinion	-1900001	The state of the s	Y2,201,0J1	2-10,000	0.1032	710		2017	10	. 1 0 0 110
			The Open Sky Ranch Dairy Digester project will recommission a								
			covered, double lined lagoon digester at Open Sky Ranch. The								
California Department of	Dairy Digester Research and	Open Sky Ranch Dairy	biogas from the digester will be used to produce approx. 6.4								
Food and Agriculture	Development	Digester	million kWh of renewable electricity per year.	\$973,430	258,911	0.2660	\$4	1	2017	10	Madera

					Total Dollars	GHG	MTCO20/¢	\$ Implemented	Number	GHG	Project Life	
Agonov		Drogram	Project Name	Description	Implemented	Reductions (MTCO2e)	, ,	Implemented / MTCO2e	of Projects	Reduction Start		County
Agency		Program	Project Name	The AgPower Visalia Dairy Digester is a DVOTM mixed-plug flow	пприетненией	(IVITCO2E)	Implemented	/ WITCOZE	Projects	Start	(Years)	County
				, ,								
California Donarta	mont of	Daimy Digastar Bassarah and		digester treating manure at Moonlight Dairy. The biogas from								
,		Dairy Digester Research and	A.BVisalia II C	the digester will be used to produce approx. 6 million kWh	¢2,000,000	402 700	0.0642	Ċ4.C	4	2047	10	T 1
Food and Agricultu	ture	Development	AgPower Visalia LLC	renewable electricity per year.	\$3,000,000	183,700	0.0612	\$16	1	2017	10	Tulare
				The West-Star North Dairy digester is a covered lagoon digester								
				project. This project will capture biogas from two covered								
· ·		Dairy Digester Research and	The West Star North Dairy	lagoons at the dairy. Biogas from the digester will produce 7.6	4			4				
Food and Agricultu		•	Biogas Project	million kWh renewable electricity per year.	\$1,837,005	158,730	0.0864	\$12	1	2017	10	Kern
The state of the s		Statewide Water Efficiency		Hortau Irrigation Monitoring System for improved Water and								Monterey,
Food and Agricultu			WYSIWYG Farms	Energy Efficiency	\$7,329	22	0.0030	\$333	1	2015	15	Santa Cruz
•		Statewide Water Efficiency		Conversion from flood to drip irrigation and improve energy								
Food and Agricultu			Triple K Orchards LLC	efficiency	\$50,000	29	0.0006	\$1,724	1	2015	15	Kings
· ·		Statewide Water Efficiency										
Food and Agricultu	ture	Enhancement Program	Terranova Ranch, Inc.	Convert from flood irrigation to drip irrigation	\$40,686	220	0.0054	\$185	1	2015	15	Fresno
				Convert from flood irrigation to drip irrigation with high								
· ·		Statewide Water Efficiency		efficiency pump with pressure transducer and variable frequency								
Food and Agricultu	ture	Enhancement Program	Dougherty Brothers	drive (VFD) controls	\$50,000	687	0.0137	\$73	1	2015	15	Sutter
California Departm	ment of	Statewide Water Efficiency		Consolidate vertical shaft turbine pump and booster pump to a								
Food and Agricultu	ture	Enhancement Program	Costa Farms, Inc.	single pump and electric motor with variable speed drive (VSD)	\$50,000	538	0.0108	\$93	1	2015	15	Monterey
California Departm	ment of	Statewide Water Efficiency		Convert from flood irrigation to drip irrigation with soil moisture								
Food and Agricultu	ture	Enhancement Program	Colliver Farms	monitoring	\$50,000	170	0.0034	\$294	1	2015	15	Fresno
				Consolidation and fuel switch of electric well with diesel booster								
				pump to natural gas pumping station, installation of equipment								
California Departn	ment of	Statewide Water Efficiency		to measure evapotranspiration and soil moisture sensors to								
Food and Agricultu	ture	Enhancement Program	American Farms, LLC	monitor soil moisture content.	\$50,000	118	0.0024	\$424	1	2015	15	Monterey
			,	Installation of a well and solar equipment to provide 94% of the				·				,
				power necessary to operate the well and field equipment,								
California Departn	ment of	Statewide Water Efficiency		installation of a more efficient plant watering system and water								
Food and Agricultu		·	Heavenly Avocado Ranch	monitoring.	\$50,000	96	0.0019	\$521	1	2015	15	San Joaquin
		Statewide Water Efficiency		Install drip irrigation and irrigation emitters to apply water	φοσ,σσσ		0.0020	70	_			- Carros arquiri
Food and Agricultu		•	Freitas Farms 1	directly to the root zone	\$50,000	96	0.0019	\$521	1	2015	15	Fresno
r ood and rightedite					φου,σου	30	0.0023	Ψ521			10	
California Departn	ment of	Statewide Water Efficiency		Install soil moisture tension monitoring technology to improve								
Food and Agricultu		Enhancement Program	Sakakihara Farms	irrigation scheduling and reduce groundwater pumping	\$16,620	128	0.0077	\$130	1	2015	15	Monterey
Tood and Agricance	care	<u> </u>	Sakakii ara ra riiis	Installation of system to monitor soil moisture through sensors	ψ10,020	120	0.0077	7130		2013	13	Wioncerey
California Departn	ment of	Statewide Water Efficiency		with electronic data output and flow meters to ensure efficient								
Food and Agricultu		•	Daniel Jackson Farms	irrigation scheduling	\$50,000	46	0.0009	\$1,087	1	2015	15	Tulare
		Statewide Water Efficiency	Daniel Jackson Farms	irrigation scrieduling	750,000	40	0.0003	71,067		2013	13	Tulare
Food and Agricultu		•	Mike Jackson Farms	Conversion from Furrow Irrigation to Drip System	\$50,000	2	0.0000	\$25,000	1	2015	15	Tulare
1 000 and Agriculto	ture	Lilliancement Frogram	White Jackson Lainis	Installation of system to monitor soil moisture through sensors	\$30,000	2	0.0000	\$23,000		2013	13	Tulate
California Donarta	mont of	Statewide Water Efficiency		with electronic data output and flow meters to ensure efficient								
•		•	David Inches a Forms	·	¢50,000	122	0.0036	¢270	1	2015	15	Kings Tulors
Food and Agricultu	ture	Enhancement Program	David Jackson Farms	irrigation scheduling	\$50,000	132	0.0026	\$379	1	2015	15	Kings, Tulare
California Damari	mont of	Statewide Weter Efficiency		Installation of system to monitor soil moisture through sensors								
		Statewide Water Efficiency	Diele Inglises France	with electronic data output and flow meters to ensure efficient	A=0.000		0.004	4000	,	201-		Tulens
Food and Agricultu	ture	Enhancement Program	Rick Jackson Farms	irrigation scheduling	\$50,000	55	0.0011	\$909	1	2015	15	Tulare
Callifacata		Chahamida Maria (ESC)		Installation of system to monitor soil moisture through sensors								
•		Statewide Water Efficiency		with electronic data output and flow meters to ensure efficient	4			4		<u>.</u>		
Food and Agricultu		Enhancement Program	Trent Jackson Farms	irrigation scheduling	\$50,000	18	0.0004	\$2,778	1	2015	15	Tulare
California Departm		Statewide Water Efficiency	Henry Pruitt Anderson, III &	Installation of drip irrigation system based on local	.		_			_		<u>_</u> .
Food and Agricultu	ture	Enhancement Program	Betty Jean Andserson	evapotranspiration rates	\$50,000	32	0.0006	\$1,563	1	2015	15	Tulare
				Installation of electricity generating system to generate clean								
California Departm	ment of	Statewide Water Efficiency		power onsite, installation of automated controls to allow				\$455				San Luis
I same separtit							0.0022					

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	MTCO2e / \$	Implemented	of	Reduction	Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Installation of variable frequency drive (VFD) pump, soil								
•	Statewide Water Efficiency		moisture monitoring devices, and automated fertigation								_
Food and Agriculture	Enhancement Program	C AND E OTT FARMS LLC	equipment	\$45,775	153	0.0033	\$299	1	2015	15	Stanislaus
California Dananturant of	Chatanida Matan Efficience		Conversion of diesel pump to natural gas, installation of pipeline								
·	Statewide Water Efficiency	Due se Devide Deutse vehic	and monitoring hardware, drip irrigation, soil moisture sensors,	¢50,000	4.7	0.0000	¢1.0C4	1	2015	1.5	Mantaga
Food and Agriculture	Enhancement Program	Braga Ranch Partnership	weather gauges to ensure efficient irrigation practices Installation of a variable frequency drive, and weather and soil	\$50,000	47	0.0009	\$1,064	1	2015		Monterey San Luis
California Department of	Statewide Water Efficiency	Lock Agricultural Ventures,		¢12.000	0	0.0007	\$1,433	1	2015		
Food and Agriculture	Enhancement Program	LLC	moisture monitoring hardware Installation of system to monitor soil moisture through sensors	\$12,898	9	0.0007	\$1,433	1	2015	15	Obispo
California Donartment of	Statewide Water Efficiency		with electronic data output and flow meters to ensure efficient								
Food and Agriculture	Enhancement Program	Wade Jackson Farms	irrigation scheduling	\$50,000	18	0.0004	\$2,778	1	2015	15	San Benito
	Statewide Water Efficiency	Wade Jackson Farms	irrigation schedding	\$50,000	10	0.0004	\$2,776	Т.	2015	15	San Benito
Food and Agriculture	Enhancement Program	Ty Muxlow Farms	use of soil moisture sensors, flow meter to schedule irrigation	\$50,000	41	0.0008	\$1,220	1	2015	15	Tulare
1 000 and Agriculture	Limancement Flogram	Ty Wuxiow Farms	use of soil moisture sensors, now meter to schedule imgation	\$30,000	41	0.0008	\$1,220	т	2013	13	Tulare
California Department of	Statewide Water Efficiency										San Luis
Food and Agriculture	Enhancement Program	Broken Earth Winery	Installation of weather and soil moisture monitoring hardware	\$4,657	51	0.0110	\$91	1	2015		Obispo
Tood and Agriculture	Limancement rogram	Broken Earth Whiery	Replace inefficient water pump, installation of variable	Ş - ,037	51	0.0110	751		2013	13	Обізро
			frequency drive, and remote monitoring electronic weather								
California Department of	Statewide Water Efficiency		station with soil moisture sensors, electronic data output, and								Santa
Food and Agriculture	Enhancement Program	Dewlson Farm	data loggers.	\$30,296	45	0.0015	\$673	1	2015		Barbara
California Department of	Statewide Water Efficiency	Dewison Farm	Conversion from flood/furrow irrigation to sub surface drip	, , , , , , , , , , , , , , , , , , ,		0.0013	ψ073		2013	13	24.24.4
Food and Agriculture	Enhancement Program	Bengard Ranch, LLC	irrigation	\$48,044	166	0.0035	\$289	1	2015	15	Monterey
California Department of	Statewide Water Efficiency		Installation of soil moisture monitoring using cellular node with	φ,σ		0.0000	7-00	_			San Luis
Food and Agriculture	Enhancement Program	Rancho Rendezvous Farms	soil moisture probe	\$3,997	1	0.0003	\$3,997	1	2015	15	Obispo
	Statewide Water Efficiency		·	. ,			. ,				•
Food and Agriculture	Enhancement Program	Nick Huerta	Convert flood irrigation to drip irrigation	\$27,940	11	0.0004	\$2,540	1	2015	15	Fresno
			Installation of variable frequency drive (VFD) pump and								
California Department of	Statewide Water Efficiency		implementation of soil moisture based irrigation management								
Food and Agriculture	Enhancement Program	Fuentes Berry, LLC	plan	\$35,679	223	0.0063	\$160	1	2015	15	Monterey
California Department of	Statewide Water Efficiency										
Food and Agriculture	Enhancement Program	Byrd Cattle Company LLC	Conversion from open ditch irrigation to pipeline irrigation	\$15,874	16	0.0010	\$992	1	2015	15	Tehama
			Replace well powered by diesel engine with well powered by an								
· ·	Statewide Water Efficiency		electric motor with variable speed drive, installation of soil								
Food and Agriculture	Enhancement Program	R B Farms LLC	moisture monitoring hardware and telemetry	\$50,000	370	0.0074	\$135	1	2015	15	Monterey
· ·	Statewide Water Efficiency										
Food and Agriculture	Enhancement Program	Scott Raven Farms	Convert from flood irrigation to micro-irrigation.	\$50,000	583	0.0117	\$86	1	2015	15	Fresno
			Installation of soil moisture radio nodes, base station equipped								
•	Statewide Water Efficiency		with hardware to calculate on-site evapotranspiration for	4.0							San Luis
Food and Agriculture	Enhancement Program	Hope Family Vineyard	precision irrigation scheduling	\$6,494	10	0.0015	\$649	1	2015	15	Obispo
	Statewide Water Efficiency	Jim Rossi DBA Four Oaks	Installation of equipment to test soil moisture levels and onsite	\$20.046	0.2	0.0022	6205		2045	4.5	T la
Food and Agriculture	Enhancement Program	Farming	weather and CIMIS requirements	\$28,016	92	0.0033	\$305	1	2015	15	Tulare
California Danartmant of	Statowide Water Efficiency		Installation of hardware to monitor soil Moisture and climate								
•	Statewide Water Efficiency	Poamor Farms		¢50,000	_	0.0001	\$8,333	4	2015	4.5	Yolo
Food and Agriculture	Enhancement Program	Reamer Farms	conditions to facilitate remote ET-based irrigation scheduling Replace surface sprinkler system with solar pumps, well,	\$50,000	В	0.0001	\$8,333	1	2015	15	1010
			weather based irrigation controllers, soil moisture sensors, drip								
			irrigation, waste water reclamation, terracing/grading,								
California Department of	Statewide Water Efficiency		sustainable ground crop for nitrogen fixation, and runoff								
Food and Agriculture	Enhancement Program	Sun Drenched Farms	retention.	\$50,000	765	0.0153	\$65	1	2015	15	San Diego
. Joa ana rigi icuitui c	Z.maneement i rogium	Jan Prenenca Farms	. 505.10011	750,000	703	0.0133	703	1	2013	13	Jan Diego
California Department of	Statewide Water Efficiency		Installation of all-in-one soil moisture probe and PureSense								
Food and Agriculture	Enhancement Program	Clark Bros. Farming	monitoring system	\$29,085	456	0.0157	\$64	1	2015	15	Fresno
<u> </u>			, , ,	,			т				•

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	MTCO2e / \$	mplemented		Reduction	-	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
California Department of	Statewide Water Efficiency		Conversion from diesel motor to electric motor and installation								
Food and Agriculture	Enhancement Program	Wm. Bolthouse Farms, Inc.	of a variable frequency drive on irrigation well.	\$50,000	5,308	0.1062	\$9	1	2015	15	Los Angeles
California Department of	Statewide Water Efficiency										
Food and Agriculture	Enhancement Program	Tony & Amie Azevedo	Conversion from flood irrigation to micro-irrigation system	\$50,000	197	0.0039	\$254	1	2015	15	Kings
California Department of	Statewide Water Efficiency		Installation of full pump and valve automation and								
Food and Agriculture	Enhancement Program	Theldor Farms	environmental monitoring with remote access and alerts	\$25,000	130	0.0052	\$192	1	2015	15	Butte
California Department of	Statewide Water Efficiency										
Food and Agriculture	Enhancement Program	Stone Ranch	Conversion from flood irrigation to low water/low PSI system	\$50,000	555	0.0111	\$90	1	2015	15	Kings
											1
											1
California Department of	Statewide Water Efficiency	Stone Family Limited									1
Food and Agriculture	Enhancement Program	Partnership	Conversion from flood irrigation to drip irrigation system	\$50,000	1	0.0000	\$50,000	1	2015	15	Kings
California Department of	Statewide Water Efficiency		Addition of a water condition system and soil moisture								
Food and Agriculture	Enhancement Program	Pasatiempo Vineyards, LLC	monitoring systems to the current irrigation system	\$22,294	10	0.0004	\$2,229	1	2015	15	Fresno
			Installation of six additional solar panels and pump to existing								
California Department of	Statewide Water Efficiency		agricultural well, installation of four 1,500 gallon collection tanks								1
Food and Agriculture	Enhancement Program	Jon and Joy Lee	to collect rainwater	\$11,598	1	0.0001	\$11,598	1	2015	15	Yolo
California Department of	Statewide Water Efficiency	Jackson Family Investments,	Installation of Kapillary Irrigation Sub-Surface System (KISSS)								1
Food and Agriculture	Enhancement Program	LLC	technology	\$50,000	17	0.0003	\$2,941	1	2015	15	Napa
											1
											1
California Department of	Statewide Water Efficiency		Conversion from flood irrigation to efficient microjet irrigation								1
Food and Agriculture	Enhancement Program	Six K's	and solar panels to run the water pump.	\$50,000	1,962	0.0392	\$25	1	2015	15	Butte
California Department of	Statewide Water Efficiency		Upgrade existing irrigation system, installation of micro (drip)								
Food and Agriculture	Enhancement Program	Danell Brother Farms	irrigation and application of mulch	\$38,223	42	0.0011	\$910	1	2015	15	San Benito
California Department of	Statewide Water Efficiency		Replace existing irrigation tubing and emitters, add grid tie solar								
Food and Agriculture	Enhancement Program	Amberglow Ranch	system	\$30,789	275	0.0089	\$112	1	2015	15	Kern
California Department of	Statewide Water Efficiency		Upgrade water conservation irrigation system, with remote								1
Food and Agriculture	Enhancement Program	Yangs Capital, LLC	access and monitoring, flow sensors and pressure gauges	\$8,774	3	0.0003	\$2,925	1	2015	15	Riverside
California Department of	Statewide Water Efficiency		Conversion from surface irrigation to efficient irrigation system								1
Food and Agriculture	Enhancement Program	Kenneth L. Puryear	utilizing point source emitters	\$50,000	167	0.0033	\$299	1	2015	15	Tulare
California Department of	Statewide Water Efficiency										1
Food and Agriculture	Enhancement Program	DP Farms	Conversion from flood irrigation to sub surface drip irrigation	\$50,000	423	0.0085	\$118	1	2015	15	Merced
California Department of	Statewide Water Efficiency										1
Food and Agriculture	Enhancement Program	Netto West Farming	Conversion from flood irrigation to sub surface drip irrigation.	\$47,283	193	0.0041	\$245	1	2015	15	Kings
											1
			Conversion from flood irrigation to sub surface drip irrigation,								1
	5		including installation of electric motor, variable speed drive,								1
·	Statewide Water Efficiency		flow meter, moisture meters, new main line, lateral lines,	4=0.000	2=2	2 2272	4.00				
Food and Agriculture	Enhancement Program	Mumma Brothers	pressure regulating valves, drip tape, and weather station	\$50,000	379	0.0076	\$132	1	2015	15	Colusa
			Conversion from flood invigation to substantian invigation system								1
California Danartmant of	Statewide Water Efficiency		Conversion from flood irrigation to subsurface irrigation system								1
·	Statewide Water Efficiency	Devid Control Founding	with flow meter and soil moisture sensors with electronic data	ć=0.000	220	0.0055	Ć4F2	4	2045	4.5	D 4
Food and Agriculture	Enhancement Program	David Santos Farming	output	\$50,000	330	0.0066	\$152	1	2015	15	Merced
•	Statewide Water Efficiency	Curany Asia Farmina Inc	Conversion from furrow irrigation to two-line drip irrigation	ć 42. 224.	153	0.0026	¢277	1	2015	15	l/:n cc
Food and Agriculture	Enhancement Program	Sunny Acre Farming Inc.	Installation of Weemat under trees to reduce surface water	\$42,321	153	0.0036	\$277	1	2015	15	Kings
			evaporation and control water consuming weed, soil moisture								1
California Donartment of	Statowide Water Efficiency										1
Food and Agriculture	Statewide Water Efficiency Enhancement Program	Kingsburg Citrus Farm Inc	sensors, flow meter and pressure sustaining device to improve water filtration pressure	\$46,347	213	0.0046	\$218	1	2015	15	Kern
	Statewide Water Efficiency	Miligopulg Citi us Faiill IIIC	Conversion from furrow/flood irrigation to drip irrigation,	۶40,54 <i>/</i>	213	0.0046	\$ 21 8	1	2015	13	VEIII
•	Enhancement Program	Lagier Ranches, Inc.	installation of electric submersible pump.	\$10,441	د	0.0006	\$1,740	1	2015	15	San Joaquin
	Statewide Water Efficiency	Lagici Naticiles, IIIC.	Installation of irrigation system with flow meters and soil	\$10,441 	O	0.000	Ş1,/4U	1	2015	15	San Joaquili
Food and Agriculture	Enhancement Program	Troy Jackson Farms	moisture sensors with electronic data output	\$50,000	17	0.0003	\$2,941	1	2015	1 5	Tulare
	Statewide Water Efficiency	TIOY Jackson Failis	Installation of irrigation system with flow meters and soil	\$50,000	1/	0.0003	<i>\$</i> 2,941	1	2015	15	ruiare
•	•	Andy Muylow Farms	moisture sensors with electronic data output	\$50,000	832	0.0166	\$60	1	2∩1⊑	15	Kings
Food and Agriculture	Enhancement Program	Andy Muxlow Farms	moisture sensors with electronic data output	ا000,000	032	0.0100	انامخ	1	2015	13	Kings

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	MTCO2e / \$	Implemented		Reduction	Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Conversion from sprinkler irrigation to drip irrigation with flow								
California Department of	Statewide Water Efficiency		meters and soil moisture sensor meter and electronic data								
Food and Agriculture	Enhancement Program	Moniz Vineyards	output	\$14,500	38	0.0026	\$382	1	2015	15	Santa Clara
California Department of	Statewide Water Efficiency		Conversion from flood/furrow irrigation to low pressure sub								
Food and Agriculture	Enhancement Program	Yamamoto Brothers Farms	surface drip	\$47,447	439	0.0093	\$108	1	2015	15	Stanislaus
California Department of	Statewide Water Efficiency		Conversion from flood/furrow irrigation to sub surface drip								
Food and Agriculture	Enhancement Program	Bobby Yamamoto Farms, Inc.	irrigation	\$13,885	225	0.0162	\$62	1	2015	15	Stanislaus
			Installation of Climateminder irrigation system including full								
·	Statewide Water Efficiency		weather station and sensor, soil moisture and temperature								
Food and Agriculture	Enhancement Program	Grapery, Inc.	sensor, and pump controllers with relay	\$17,430	197	0.0113	\$88	1	2015	15	Kern
			Replace 6.3 miles of 10' diameter aluminum pipe with new 10'								
•	Statewide Water Efficiency		diameter Certa-Lok Yelomine PVC pipe and couplers. Reduce								
Food and Agriculture	Enhancement Program	Wm. Bolthouse Farms, Inc.	water pumping engine run hours.	\$150,000	4,233	0.0282	\$35	1	2015	10	Fresno
California Department of	Statewide Water Efficiency		Conversion of furrow irrigated vineyard to drip irrigation to save								
Food and Agriculture	Enhancement Program	KG Vineyard Management	water	\$54,983	70	0.0013	\$785	1	2015	10	San Joaquin
			Final and table of discrete and the second s								
			Fuel switch of diesel pump to an electric turbine with VFD								
			control. Drip tape conversion on 30 acres and installation of soil								
·	Statewide Water Efficiency		moisture monitoring hardware on 196.3 ac. Replacement of								
Food and Agriculture	Enhancement Program	Rio Farms LLC	2,525' of leaky steel/concrete pipeline with 14" PVC.	\$150,000	2,353	0.0157	\$64	1	2015	10	Monterey
•	Statewide Water Efficiency		Install double drip line irrigation system to replace current flood								
Food and Agriculture	Enhancement Program	Rio Blanco Dairy	irrigation system.	\$47,503	10,351	0.2179	\$5	1	2015	10	Tulare
			SDI system on Alfalfa to replace existing hand move sprinkler								
·	Statewide Water Efficiency		system. Will also include the implementation of fertigation, soil								San Luis
Food and Agriculture	Enhancement Program	Oak Creek Ranch	moisture monitoring, and valve automation.	\$150,000	551	0.0037	\$272	1	2015	10	Obispo
	Statewide Water Efficiency	Colusa Indian Community									
Food and Agriculture	Enhancement Program	Council	Installation of orchard moisture monitoring system.	\$89,600	12,645	0.1411	\$7	1	2015	10	Colusa
			Install real time remote field monitoring and water quality								
			treatment equipment to help irrigate more efficiently. The								
·	Statewide Water Efficiency		sensors will also read fertilizer applications, and soil								
Food and Agriculture	Enhancement Program	Tayyeba Farms LLC	temperature at various depths.	\$80,649	318	0.0039	\$254	1	2015	10	Kern
			Monitor crop stress with soil sensors and data management								
			software. This system will allow Haleakala Ranch to use less								
· ·	Statewide Water Efficiency		water, less energy, eliminate fertilizer and pesticide leaching and								
Food and Agriculture	Enhancement Program	Haleakala Ranch	manage crop stress in real time.	\$123,261	530	0.0043	\$233	1	2015	10	Tehama
			Improve pump system by adding a flow meter and pressure								
			sensors on both sides of the filter. Converting diesel pumps to								
California Department of	Statewide Water Efficiency		electrically powered pumps with variable frequency drives, flow								
Food and Agriculture	Enhancement Program	JJB Farms	meters, and pressure sensors. Install soil moisture station.	\$139,482	556	0.0040	\$251	1	2015	10	Yolo
· ·	Statewide Water Efficiency		The installation of soil moisture stations, inline pressure sensors,								
Food and Agriculture	Enhancement Program	Brandon Chapla	and flow meters throughout the orchard and pump stations.	\$40,147	47	0.0012	\$854	1	2015	10	Butte
			Upgrade the irrigation system to supplant flood irrigation on								
California Department of	Statewide Water Efficiency		fields with a buried-manifold drip system that applies water								
Food and Agriculture	Enhancement Program	Vital Farmland LP	according to crop need (as measured by soil moisture sensors).	\$62,126	24	0.0004	\$2,589	1	2015	10	Contra Costa
			Installation of soil moisture stations, inline pressure sensors, and								
			flow meters throughout the orchard and pump stations. By								
California Department of	Statewide Water Efficiency		connecting these monitoring devices through telemetry, it will								
Food and Agriculture	Enhancement Program	Stephens Ranch	ensure proper use and oversight of their water.	\$150,000	51	0.0003	\$2,941	1	2015	10	Butte
			The scope of the project application involves removal of 3 diesel								
			engines, replaced by electric power pumping stations. This								
California Department of	Statewide Water Efficiency		project includes the installation of soil moisture monitoring								
Food and Agriculture	Enhancement Program	Borzini Farms, Inc	hardware.	\$150,000	220,980	1.4732	\$1	1	2015	10	Monterey
	•	<u> </u>		· · · · · · · · · · · · · · · · · · ·		L				-	

Agency	Program	Project Name	Description	Total Dollars Implemented	GHG Reductions (MTCO2e)	MTCO2e / \$ Implemented	\$ Implemented / MTCO2e	Number of Projects	GHG Reduction Start	Project Life (Years)	County
			Upgrading low efficiency pumps and elimination of booster								
California Danartmant of	Statewide Water Efficiency		pumps. Project includes Ranch Systems base station with								Canta
Food and Agriculture	Statewide Water Efficiency Enhancement Program	OSR Enterprises Inc	weather station capable of monitoring site evapotranspiration rates, two soil moisture probes, pressure transducer.	\$144,041	726	0.0050	\$198	1	2015	10	Santa Barbara
Food and Agriculture	Lillancement Program	OSK Enterprises inc	rates, two soil moisture probes, pressure transducer.	\$144,041	720	0.0030	\$136	1	2013	10	Daibaia
			Modifications include: flow meters on water wells, data loggers,								
			backflow devices, in-field soil moisture probes, Initiation of ETo-								
California Department of	Statewide Water Efficiency		based irrigation scheduling, and replacement of sprinkler heads								
Food and Agriculture	Enhancement Program	Jacob's Farm	for improved distribution uniformity.	\$40,166	28	0.0007	\$1,435	1	2015	10	Santa Cruz
			Install the following equipment: a weather station; soil moisture								
California Department of	Statewide Water Efficiency		sensors; and an irrigation control system to enable remote								
Food and Agriculture	Enhancement Program	Rio Viento Vineyards	control of the pump.	\$53,400	1,485	0.0278	\$36	1	2015	10	Sacramento
			Install real-time moisture sensors. Install solar panels to power								
			two pumps and replace a gasoline powered pump, and retrofit								
California Department of	Statewide Water Efficiency		automatic irrigation on two pumps. Install a graywater system to								
Food and Agriculture	Enhancement Program	The Cloverleaf Farm	irrigate existing garden area.	\$79,108	104	0.0013	\$761	1	2015	10	Solano
			50 KW solar generating facility will provide power to the								
California Department of	Statewide Water Efficiency		irrigation pump. Conversion of 12.6 acres of almonds from flood								
Food and Agriculture	Enhancement Program	Grivey Brothers, Inc.	to sprinkler irrigation.	\$150,000	202	0.0013	\$743	1	2015	10	Glenn
			Irrigation and fertilizer automation equipment, soil and								
California Department of	Statewide Water Efficiency		microclimate monitoring equipment, and a VFD for pumping								
Food and Agriculture	Enhancement Program	Scheid Vineyards, Inc.	efficiency improvements.	\$144,026	464	0.0032	\$310	1	2015	10	Monterey
			Upgrade and enhance the existing recycling system by increasing								
			the capacity, improving the treatment of water so that it can be								
California Department of	Statewide Water Efficiency		used on more crops, eliminating the lost water, and improving								
Food and Agriculture	Enhancement Program	Altman Plants	the overall energy efficiency of the system.	\$125,235	127	0.0010	\$986	1	2015	10	San Diego
			A combined conversion of a deep well to a VFD and removal of a								
California Department of	Statewide Water Efficiency		diesel (fossil fuel) booster pump to an electric booster pump								
Food and Agriculture	Enhancement Program	Terranova Ranch, Inc.	with a VFD on three sites.	\$150,000	439	0.0029	\$342	1	2015	10	Fresno
			Install a soil moisture sensor, pump, pump controller, flow								
			meter, and switch from flood irrigation to a drip. Install a soil								
California Department of	Statewide Water Efficiency		solution machine to amend water quality and increase water								
Food and Agriculture	Enhancement Program	Uvas, Inc.	infiltration and reducing the build-up of salts.	\$115,217	102	0.0009	\$1,130	1	2015	10	Fresno
			Install 16 Hortau irrigation management stations to measure to								
California Department of	Statewide Water Efficiency		the root zone and not over water, track weather and trigger								San Luis
Food and Agriculture	Enhancement Program	Creston Valley Vineyards	frost alerts.	\$118,638	390	0.0033	\$304	1	2015	10	Obispo
California Department of	Statewide Water Efficiency										
Food and Agriculture	Enhancement Program	Gary Dutro Orchards LLC	Install 4 soil moisture stations and 4 pump monitoring stations.	\$31,420	248	0.0079	\$127	1	2015	10	Tehama
California Department of	Statewide Water Efficiency		Install Hortau Irrigation Management system to help manage								San Luis
Food and Agriculture	Enhancement Program	Neal Spring Vineyards	irrigation to reduce water and propane use.	\$35,121	69	0.0020	\$509	1	2015	10	Obispo
	Charles talle tall to Essential										
· ·	Statewide Water Efficiency		Install moisture monitoring technology, pump and valve control,				_		_		
Food and Agriculture	Enhancement Program	Parrlon Farming	along with sulfuric acid machines, solution machines, and silos.	\$144,373	298	0.0021	\$484	1	2015	10	Merced
			Install 12 soil moisture stations and 11 pump monitoring								
· •	Statewide Water Efficiency		stations; for electric pumps remote On/Off will be available via								
Food and Agriculture	Enhancement Program	Almont Orchards Inc.	software.	\$78,083	282	0.0036	\$277	1	2015	10	Butte
			Installation of soil moisture stations, inline pressure sensors, and								
			flow meters throughout the orchard and pump stations;								
	Statewide Water Efficiency		connected through telemetry. Utilization of irrigation								
Food and Agriculture	Enhancement Program	A&J Family Farms Inc.	scheduling. Re-bowling the old pump and installing a new filter.	\$30,860	45	0.0015	\$686	1	2015	10	Butte
			The installation of soil moisture stations, inline pressure sensors,								
			and flow meters throughout the orchard and pump stations.								
·	Statewide Water Efficiency		Install weather stations in the orchard to help achieve an even								
Food and Agriculture	Enhancement Program	Nicolaus Nut Company	better level of irrigation efficiency.	\$46,818	205	0.0044	\$228	1	2015	10	Butte

Agency	Program	Project Name	Description	Total Dollars Implemented	GHG Reductions (MTCO2e)	MTCO2e / \$	\$ Implemented / MTCO2e	Number of Projects	GHG Reduction Start	Project Life (Years)	County
Agency	Frogram	Froject Name	Install micro sprinklers to replace existing flood irrigation. Install	implemented	(WITCOZE)	implemented	/ WITCO2E	Frojects	Start	(Tears)	County
California Denartment of	Statewide Water Efficiency		a moisture monitoring system including 10 monitors and a								
Food and Agriculture	Enhancement Program	R&D Farms LLC	variable frequency drive on pump.	\$150,000	170	0.0011	\$882	1	2015	10	Fresno
<u> </u>	Statewide Water Efficiency	INQUITATINS LLC	Install Hortau equipment to measure soil tension to help	\$150,000	170	0.0011	7882	1	2013	+	San Luis
Food and Agriculture	Enhancement Program	Collin's Vineyards	manage irrigation to reduce water and energy use.	\$77,199	144	0.0019	\$536	1	2015		Obispo
Toda aria rigireareare	Zimaneement i ogram	Commis vineyards	Installation of soil moisture monitoring, equipping the pump	ψ,,,133	244	0.0015	, , , , , , , , , , , , , , , , , , , 		2013	10	συισρο
California Department of	Statewide Water Efficiency		station with a flow meter, and pressure sensors all connected								
Food and Agriculture	Enhancement Program	Rudd Orchards	through a telemetry network.	\$7,308	5	0.0007	\$1,462	1	2015	10	Butte
g				7 - 7 - 5 -			+ - , · · ·				
			Upgrade fifteen pumps with flow meters and pressure sensors								
			connected through a telemetry network. Install a soil moisture								
California Department of	Statewide Water Efficiency		station, which includes a soil moisture probe, pressure sensor,								
Food and Agriculture	Enhancement Program	Crane Mills	and will be connected to the telemetry network.	\$46,350	695	0.0150	\$67	1	2015	10	Tehama
			The installation of a soil moisture station, inline pressure								
			sensors, and flow meters throughout the orchard and pump								
California Department of	Statewide Water Efficiency		stations; connecting these monitoring devices through								
Food and Agriculture	Enhancement Program	Alex Ortiz	telemetry. Conversion from a solid set sprinkler system to drip.	\$52,806	16	0.0003	\$3,300	1	2015	10	Glenn
			Installation of a solar power plant to power well pumps and								
			installation of soil moisture monitoring hardware. Irrigation								
California Department of	Statewide Water Efficiency	Tablas Creek Vineyard, A CA	scheduling management plan will be implemented using existing								San Luis
Food and Agriculture	Enhancement Program	Limited Partnership	soil moisture data and CIMIS data from closest station.	\$150,000	17	0.0001	\$8,824	1	2015	10	Obispo
California Department of	Statewide Water Efficiency	Ann B. Montgomery 2007	Install three soil moisture stations and two pump monitoring								
Food and Agriculture	Enhancement Program	Trust	stations.	\$18,504	47	0.0025	\$394	1	2015	10	Butte
			Installation of a soil moisture station and a properly equipped								
California Department of	Statewide Water Efficiency		pump station to monitor to use of water from pump to tree								
Food and Agriculture	Enhancement Program	Vic Werlhof	absorption.	\$10,658	3	0.0003	\$3,553	1	2015	10	Butte
California Department of Food and Agriculture	Statewide Water Efficiency Enhancement Program	F & D Giacomazzi Farms	Change from flood irrigation to a drip systems. Includes sonar produced soil maps, variable rate fertilizer, variable speed drive electric pump, soil moisture probes, and weather station, double line drip irrigation and micro sprinklers.	\$150,000	3,162	0.0211	\$47	1	2015	10	Tulare
California Department of Food and Agriculture	Statewide Water Efficiency Enhancement Program	Ann B. Montgomery Farms L.P.	The installation of soil moisture stations, inline pressure sensors, and flow meters throughout the orchard and pump stations.	\$41,403	3,990	0.0964	\$10	1	2015	10	Butte
California Department of Food and Agriculture	Statewide Water Efficiency Enhancement Program	Ira Compton	Replace a hand-move sprinkler system with a micro-jet sprinkler system fed by plastic tubing. The installation of a soil moisture station that measures the soil moisture and the in-line pressure.	\$25,564	98	0.0038	\$261	1	2015	10	Butte
·	Statewide Water Efficiency	Cloub Brass Formsing	Install underground drip system on row crop ground. Sand media filters, mainline, and drip hose plus installation. Will allow for more efficient irrigation, water savings, power savings, and	¢150,000	1.050	0.0071	Ć142	1	2015	10	Volo
Food and Agriculture	Enhancement Program	Clark Bros. Farming	minimize tillage of ground Existing well will be retrofitted with solar powered pump, solar	\$150,000	1,059	0.0071	\$142	1	2015	10	Yolo
			array and water storage tanks sufficient to support the wells								
California Donartment of	Statewide Water Efficiency		daily output and catch storm water. Installation of soil moisture								
Food and Agriculture	Enhancement Program	Noble Orchard Company	monitoring devices.	\$30,824	36	0.0012	\$856	1	2015	10	Butte
1 000 and Agriculture	Liniancement Program	INODIE OFCHAFU COMPANY	Clarksburg Vines is installing a vineyard on a field where alfalfa is	\$30,824	36	0.0012	Ο	1	2015	10	butte
			currently farmed. Installation of drip irrigation and Ranch								
California Donartment of	Statewide Water Efficiency		Systems' Soil Moisture Sensors, Weather Station & Irrigation								
Food and Agriculture	Enhancement Program	Clarksburg Vines	Control System.	\$112,670	73	0.0006	\$1,543	1	2015	10	Yolo
Tood and Agriculture	Liniancement Flogram	Clarksburg villes	Utilize the Hortau irrigation management system; the Hortau	\$112,070	/3	0.0006	Э 1,343	1	2013	10	1010
California Department of	Statewide Water Efficiency		system allows the grower to monitor the plant stress and only								San Luis
Food and Agriculture	Enhancement Program	Paso Robles Vineyard Inc.	irrigate when the plant needs it.	\$150,000	941	0.0063	\$159	1	2015		Obispo
i ood and Agriculture	Irmancement Flogram	ji aso nobies villeyaru IIIC.	migate when the plant needs it.	\$150,000	941	0.0063	\$159	<u> </u>	2013	1 10	υνιομυ

				Total Dollars	GHG Reductions	, .	\$ Implemented		GHG Reduction		
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Install Hortau's real-time irrigation management for 118 acres								
California Department of	Statewide Water Efficiency	Channel Islands Berry Farms,	raspberries, 44 acres of strawberries and 4 acres of avocados.								
Food and Agriculture	Enhancement Program	Inc	Will place soil probes at 2 different depths - 6" and 12".	\$103,804	37	0.0004	\$2,806	1	2015	10	Ventura
Toda ana Agricana	Limaneement rogium		Utilize Hortau's real-time irrigation management for 910 acres	ψ103,00 ·	3,	0.0001	<i>Ψ</i> 2 ,000		2013	10	Veritara
California Department of	Statewide Water Efficiency		of almonds. Place soil probes at 3 different depths- 12", 18" and								
Food and Agriculture	Enhancement Program	Ben J Schroeder	24".	\$145,424	221	0.0015	\$658	1	2015	10	Kern
			Installation of soil moisture stations, inline pressure sensors, and				-				
			flow meters throughout the orchard and pump stations. By								
California Department of	Statewide Water Efficiency		connecting these monitoring devices through telemetry it will								
Food and Agriculture	Enhancement Program	Sipple Orchards	ensure proper use and oversight of water.	\$10,658	1	0.0001	\$10,658	1	2015	10	Butte
California Department of	Statewide Water Efficiency										San Luis
Food and Agriculture	Enhancement Program	Aline's Vineyard	Implement the use of Hortau's advanced irrigation management.	\$33,920	109	0.0032	\$311	1	2015	10	Obispo
			Upgrade a vineyard from flood irrigation to drip and to install a								
California Danantus aut of	Chatavida Matau Efficiana		soil moisture monitoring station. Add flow meters to three								
•	Statewide Water Efficiency	Parationana Vinavanda II.C	pumps in order to keep better track of water usage. Install a VFD	¢0C 472	40	0.0005	¢2.010	4	2015	10	
Food and Agriculture	Enhancement Program	Pasatiempo Vineyards, LLC	on 1 pump and soil solution machines to 3 pumps.	\$96,473	48	0.0005	\$2,010	1	2015	10	Fresno
			Install two soil moisture stations and one pump monitoring								
			station. The soil moisture station includes a soil moisture probe,								
California Department of	Statewide Water Efficiency		an in-line pressure sensor, and it connected through a telemetry								
Food and Agriculture	Enhancement Program	Hahn	network to allow for easy, real time data access and record.	\$15,721	13	0.0008	\$1,209	1	2015	10	Glenn
1 ood and Agriculture	Zimaneement rogiam	1131111	Replacement of concrete irrigation pipeline with 5860 feet of 10	Ų13,721	13	0.0000	71,203		2013	10	O C I II I
			inch PVC, 720 feet of 8 inch PVC, and 1400 feet of 6 inch PVC.								
California Department of	Statewide Water Efficiency		This project converts sprinkler to drip irrigation on 224 acres								Santa
Food and Agriculture	Enhancement Program	Legacy Growers, LLC	near Santa Maria, CA.	\$150,000	103	0.0007	\$1,456	1	2015		Barbara
- U		,	Conversion of current irrigation system of solid set sprinklers to	,			. ,				
			micro-jet sprinklers. Pumping systems will be equipped with flow								
California Department of	Statewide Water Efficiency	Bertagna Custom Farming,	meters and pressure sensors. Installation of a soil moisture								
Food and Agriculture	Enhancement Program	Inc.	stations.	\$49,000	32	0.0007	\$1,531	1	2015	10	Butte
California Department of	Statewide Water Efficiency		Installation of soil moisture stations, in-line pressure sensors,								
Food and Agriculture	Enhancement Program	Jason Bertagna	and flow meters.	\$15,721	10	0.0006	\$1,572	1	2015	10	Butte
· ·	Statewide Water Efficiency		Installation of soil moisture stations, pressure sensors, flow								
Food and Agriculture	Enhancement Program	Nock Orchards Inc	meters, and variable frequency drives.	\$78,647	94	0.0012	\$837	1	2015	10	Butte
			Detrofit the invigation proctions by converting the invigation								
			Retrofit the irrigation practices by converting the irrigation								
California Donartment of	Statewide Water Efficiency	Paiva Farms Limited	systems from a flood and sprinkler system, to a drip irrigation system. Add soil moisture stations. Add a pump monitoring								
Food and Agriculture	Enhancement Program	Partnership	station which will include 2 pressure sensors and a flow meter.	\$148,868	111	0.0007	\$1,341	1	2015	10	Butte
1 000 and Agriculture	Limancement Frogram	raitheiship	Removal of a 310 HP diesel powered turbine, replaced by a	7146,606	111	0.0007	71,341	т	2013	10	Butte
			250HP electric powered turbine with VFD control. This project								
California Department of	Statewide Water Efficiency		includes the installation of soil moisture monitoring and								
Food and Agriculture	Enhancement Program	Robert J. Silva Farms	sprinkler to drip conversion on 60 acres.	\$149,934	1,286	0.0086	\$117	1	2015	10	Monterey
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			+ = .3,33 1	_,	2.0000	7/				
California Department of	Statewide Water Efficiency		Install a flow meter and two pressure sensors at the pump.								
Food and Agriculture	Enhancement Program	МЈВ	Replace a 10 HP Submersible pump to a 25 HP submersible.	\$23,470	48	0.0020	\$489	1	2015	10	Butte
			Installation of solar and weather and soil moisture monitoring								
			hardware on a 47 Acre vineyard in Paso Robles, CA. An irrigation								
•	Statewide Water Efficiency		scheduling management plan will be implemented based on soil								San Luis
Food and Agriculture	<u> </u>	Linne Calodo Cellars	moisture and site-specific evapotranspiration data.	\$150,000	14	0.0001	\$10,714	1	2015	10	Obispo
•	Statewide Water Efficiency		Drip Irrigation for Almonds. Use of Volumetric Soil Moisture	.			1				_
Food and Agriculture	Enhancement Program	Warren Leslie Davis	Probe and irrigation scheduling.	\$50,000	62	0.0012	\$806	1	2015	10	Fresno

				Total Dollars	GHG Reductions	MTCO2e / \$	\$ Implemented	Number of	GHG Reduction	Project Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
7.86.107	1108.4	i roject rume	Installation of weather and soil moisture monitoring hardware	Implemented	(11110020)	mpremera	, W. 6626	110,000	o care	(10010)	County
			on a 41 acre vineyard. An irrigation scheduling management plan								1
California Department of	Statewide Water Efficiency		will be implemented based on soil moisture and								San Luis
Food and Agriculture	Enhancement Program	Flight Investment, Inc	evapotranspiration data.	\$3,246	33	0.0102	\$98	1	2015		Obispo
Toda ana Agricaltare	Zimaneement rogram	r ngrie investment, me	Installation of weather and soil moisture monitoring hardware	73,240	33	0.0102	750		2013	10	CBISPO
			on a 125 acre vineyard. An irrigation scheduling management								1
California Denartment of	Statewide Water Efficiency		plan will be implemented based on soil moisture and site								San Luis
Food and Agriculture	Enhancement Program	Patricia Diane Vineyard, LLC	evapotranspiration data.	\$6,350	100	0.0157	\$64	1	2015		Obispo
Tood and Agriculture	Zimaneement rogram	Tatricia Biarie Vineyara, Eze	Install the following Ranch Systems equipment: a weather	70,550	100	0.0137	704		2013	10	Obispo
California Denartment of	Statewide Water Efficiency		station; soil moisture sensors; and an irrigation control system								1
Food and Agriculture	Enhancement Program	Reamer Farms	to enable remote control of the pump.	\$65,950	168	0.0025	\$393	1	2015	10	Yolo
1 000 and Agriculture	Limancement Program		to enable remote control of the pump.	\$03,930	108	0.0023	7393	1	2013	10	1010
			Project involves a switch of a diesel booster pump to an electric								1
			booster pump at 3 pumping stations. This project includes the								1
California Donartment of	Statewide Water Efficiency		conversion of 60 acres from sprinkler to drip along with the								1
•	 	Cill Banch Company II C	•	¢00,000	2.050	0.0220	¢44	1	2015	10	Montorov
Food and Agriculture	Enhancement Program	Gill Ranch Company LLC	installation of soil moisture monitoring hardware.	\$90,000	2,059	0.0229	\$44	1	2015	10	Monterey
•	Statewide Water Efficiency	Barrandatta Davia		¢26 F40	15	0.0000	¢4.767	4	2015	10	
Food and Agriculture	Enhancement Program	Bernadette Davis	Convert from furrow/flood irrigation to drip irrigation system	\$26,510	15	0.0006	\$1,767	1	2015	10	Fresno
			Installation of weather and soil moisture monitoring at 2								1
			vineyards. Each will receive two soil moisture probes and one								1
			humidity sensor. An irrigation scheduling management plan will								1
•	Statewide Water Efficiency		be implemented based on moisture and evapotranspiration								San Luis
Food and Agriculture	Enhancement Program	Hammond Vineyards L.P.	data.	\$12,575	166	0.0132	\$76	1	2015	10	Obispo
•	Statewide Water Efficiency		Installation of 31.5 KW Solar PV system and weather and soil								1
Food and Agriculture	Enhancement Program	Eade Ranch Management Inc	moisture monitoring will be implemented on 105 acres.	\$150,000	84	0.0006	\$1,786	1	2015	10	Monterey
			Installation of weather and soil moisture monitoring hardware								1
			on a vineyard in Paso Robles, CA. An irrigation scheduling								1
•	Statewide Water Efficiency		management plan will be implemented based on soil moisture								San Luis
Food and Agriculture	Enhancement Program	RBZ Vnyds LLC	and site-specific evapotranspiration data.	\$150,000	13	0.0001	\$11,538	1	2015	10	Obispo
											1
			Conversion from furrow irrigation to drip. Installation of two cell								1
			modem electric soil moisture sensors that will provide moisture								1
California Department of	Statewide Water Efficiency		readings. Replace the existing flood irrigation application with a								1
Food and Agriculture	Enhancement Program	3R Land and Development	precision low volume drip system.	\$122,885	219	0.0018	\$561	1	2015	10	Tulare
											1
			This project application involves removal of 100 HP electric								1
			turbine and 192 HP diesel booster pump and replaced with 190								1
California Department of	Statewide Water Efficiency		HP natural gas booster pump, sprinkler to drip tape conversion								1
Food and Agriculture	Enhancement Program	American Farms LLC	and installation of soil moisture monitoring hardware.	\$150,000	213,204	1.4214	\$1	1	2015	10	Monterey
											ĺ
			Conversion of surface irrigation to drip irrigation and updating								1
California Department of	Statewide Water Efficiency		pump to accommodate the drip irrigation. Construction of solar								1
Food and Agriculture	Enhancement Program	Steve Fukagawa	panel array to generate power for the project.	\$150,000	70	0.0005	\$2,143	1	2015	10	Kings
California Department of	Statewide Water Efficiency		Eliminate diesel motor and install Variable Frequency Drive								
Food and Agriculture	Enhancement Program	JMAD Enterprises LLC	pump. Add moisture probes and Weather station.	\$52,053	17,841	0.3427	\$3	1	2015	10	Merced
<u> </u>		·	Converting flood irrigated farm ground to a more efficient drip		·						
California Department of	Statewide Water Efficiency		system. Water moisture sensors will be paired with the system								1
Food and Agriculture	Enhancement Program	Nick Huerta	to utilize an ET based irrigation schedule.	\$50,223	9	0.0002	\$5,580	1	2016	10	Fresno
<u> </u>			Ŭ	, ,		1.000	1 - / 0				
			SDI system on 40 acres of grapes to replace flood irrigation								1
			system. The existing well pump and motor will be upgraded. In								1
California Department of	Statewide Water Efficiency		addition, a solar grid will be installed to help combat electrical								1
Food and Agriculture	Enhancement Program	Navdip Badhesha	costs and promote the usage of renewable energy.	\$150,000	567	0.0038	\$265	1	2016	10	Fresno
. 30 a and refridated		The same same same same same same same sam	The same promote the doubt of tellewant cherby.	7130,000	307	3.0030	7203		2010	10	
California Department of	Statewide Water Efficiency		Installing real time remote field monitoring and water quality								
Food and Agriculture	Enhancement Program	Becky Muxlow Farms	treatment equipment to help irrigate more efficiently.	\$150,000	3,763	0.0251	\$40	1	2016	10	Kings
1 Jou and Agriculture	Limaneement Flogram	Decky Widniow Lattins	a carment equipment to help irrigate more emidently.	7130,000	3,703	0.0231	γ4 0		2010	10	Miles

Agency Program Project Name Description Implemented (MTCO2e) Implemented of Implemented Implemented of Implemented Implemen	Reduction Start	(Years) C	County
California Department of Food and Agriculture Existing Pecan and Walnut orchard with diesel pump and flood irrigation to convert to high efficiency electric pump and drip irrigation system with soil and weather monitor. Convert a furrow irrigation system to low flow, sub-surface drip irrigation system on 150 acres. Replace diesel pump with an electric pump controlled with a VFD panel. The system will include soil water tension monitors and an electronic flow Food and Agriculture Enhancement Program Dougherty Brothers Dougherty Brothers Existing Pecan and Walnut orchard with diesel pump and flood irrigation to convert to high efficiency electric pump and drip irrigation system with soil and weather monitor. \$103,627 310 0.0030 \$334 Convert a furrow irrigation system to low flow, sub-surface drip irrigation system on 150 acres. Replace diesel pump with an electric pump controlled with a VFD panel. The system will include soil water tension monitors and an electronic flow Food and Agriculture Enhancement Program Dougherty Brothers Dougherty Brothers Existing Pecan and Walnut orchard with diesel pump and drip irrigation system on 150 acres. Replace diesel pump with an electronic flow irrigation system to low flow, sub-surface drip irrigation sys			County
California Department of Food and Agriculture California Department of Food and Agriculture California Department of Food	1 201	10 Fres	
Food and Agriculture Enhancement Program Richard Kahn irrigation system with soil and weather monitor. \$103,627 310 0.0030 \$334 Convert a furrow irrigation system to low flow, sub-surface drip irrigation system on 150 acres. Replace diesel pump with an electric pump controlled with a VFD panel. The system will include soil water tension monitors and an electronic flow Food and Agriculture Enhancement Program Dougherty Brothers meter. \$134,905 792 0.0059 \$170	1 201	10 Fres	
Convert a furrow irrigation system to low flow, sub-surface drip irrigation system on 150 acres. Replace diesel pump with an electric pump controlled with a VFD panel. The system will include soil water tension monitors and an electronic flow Enhancement Program Dougherty Brothers meter. \$134,905 792 0.0059 \$170	201	10 Fres	
irrigation system on 150 acres. Replace diesel pump with an electric pump controlled with a VFD panel. The system will include soil water tension monitors and an electronic flow meter. California Department of Food and Agriculture Enhancement Program Dougherty Brothers Dougherty Brothers Enhancement Program Dougherty Brothers Enhancement Program Dougherty Brothers Size D			esno
California Department of Food and Agriculture California Department of Enhancement Program Dougherty Brothers			
California Department of Statewide Water Efficiency Food and Agriculture Enhancement Program Dougherty Brothers include soil water tension monitors and an electronic flow meter. \$134,905 792 0.0059 \$170			
Food and Agriculture Enhancement Program Dougherty Brothers meter. \$134,905 792 0.0059 \$170			
	1 201	10 5	
Installation of 00 acros of subsurface drip irrigation with an	1 201	L6 10 Sutt	tter
electric booster pump to replace the existing flood irrigation			
California Department of Statewide Water Efficiency system with a diesel booster pump. This will include 1 soil	1 201	10 5	
Food and Agriculture Enhancement Program William Pruitt moisture sensor, VFD pump, and soil monitors. \$150,000 418 0.0028 \$359 An irrigation smart controller and moisture sensors will be	1 201	10 Fres	esno
added to the existing drip/ micro yet irrigation to maximize the			
California Department of Statewide Water Efficiency efficiency of the irrigation system. Project includes solar panels	1 201	10 10	
Food and Agriculture Enhancement Program Stratford Ranch and VFD pump. \$150,000 1,321 0.0088 \$114	1 201	L6 10 King	ngs
Installation of 100 series of subscribes drip invigation with an			
Installation of 188 acres of subsurface drip irrigation with an			
electric booster pump to replace the existing flood irrigation			
California Department of Statewide Water Efficiency system with a diesel booster pump. This will include 1 soil			
Food and Agriculture Enhancement Program Melissa Pruitt Farms moisture sensor, VFD pump, and soil monitors. \$150,000 782 0.0052 \$192	1 201	l6 10 Mer	erced
Conversion from flood irrigation to low-pressure drip irrigation			
California Department of Statewide Water Efficiency on existing walnut orchard. The project will incorporate			
Food and Agriculture Enhancement Program Terranova Ranch, Inc. Irrigation Water Management with Moisture Sensors. \$50,366 75 0.0015 \$672	1 201	L6 10 Fres	esno
Switching to a combination style of drip and micro-irrigation			
from flood irrigation will allow more direct controls of			
California Department of Statewide Water Efficiency fertilization monitoring and watering methods. irrigation			
Food and Agriculture Enhancement Program CH Farming Inc. management would be based on moisture sensors. \$94,513 103 0.0011 \$918	1 201	l6 10 Star	anislaus
California Department of Statewide Water Efficiency Leroy Del Don - Del Mar Installation of solar panels for pump, drip tape, soil moisture			
Food and Agriculture Enhancement Program Farms Dos Palos monitoring, and VFD pump. \$150,000 420 0.0028 \$357	1 201	l6 10 Mer	erced
California Department of Statewide Water Efficiency -Install a 60.1 KW AC solar system, drip tape, soil moisture			
Food and Agriculture Enhancement Program DP Farms monitoring system, VFD pump, and flow meters. \$150,000 326 0.0022 \$460	1 201	l6 10 Fres	esno
Install high efficiency, low pressure micro sprinkler system on			
125 acres of walnuts that are currently flood irrigated. A flow			
California Department of Statewide Water Efficiency meter and moisture monitors will also be installed and data will			
Food and Agriculture Enhancement Program Karl te Velde Ranch, Inc. be used to better manage irrigation scheduling. \$150,000 22 0.0001 \$6,818	1 201	L6 10 King	ngs
Installation of 201 acres of subsurface drip irrigation with an			
electric booster pump to replace the existing flood irrigation			
California Department of Statewide Water Efficiency system with a diesel booster pump. This will include 1 soil			
Food and Agriculture Enhancement Program Tiffany Del Don moisture sensor, VFD pump, and soil monitors. \$150,000 211 0.0014 \$711	1 201	L6 10 Fres	esno
The installation of 22 stations to be positioned in the most			
California Department of Statewide Water Efficiency representative areas of their 1251 acres of rotational crops to			
Food and Agriculture Enhancement Program Merrill Farms LLC improve irrigation management. \$149,575 1,214 0.0081 \$123	1 201	10 Mor	onterey
New pressure compensating drip line, Low pressure design filter			
station, New VFD drive turbine and well pump, Filter flush line			
California Department of Statewide Water Efficiency John D Weddington and Jan S installed to reservoir for recycling flush water, 1 soil moisture			
Food and Agriculture Enhancement Program Holcomb monitoring station, logger and flow meter. \$65,287 22 0.0003 \$2,968	1 201	L6 10 Fres	esno

					GHG		\$	Number	GHG	Project	
Aganav	Drogram	Drainet Name	Description	Total Dollars	Reductions (MTCO2e)	MTCO2e / \$	Implemented		Reduction		Country
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Convert row crops to tomatoes and change from flood irrigation								
			to sub surface drip tape. The project will replace diesel pump								
California Department of	Statewide Water Efficiency		with turbine electric with solar panels. A smart irrigation								
•	Enhancement Program	Stone Ranch	controller and soil moisture sensors will also be added.	\$150,000	135	0.0009	\$1,111	1	2016	10	Kings
, coa ana 7,giroaitai c			A diversified specialty vegetable operation will decrease water	+ 100,000		0.000	+ -/	_			80
			usage by converting from surface to drip irrigation and will								
California Department of	Statewide Water Efficiency		decrease greenhouse gas emissions by increasing pump								
Food and Agriculture	Enhancement Program	Her Produce	efficiency.	\$45,673	8	0.0002	\$5,709	1	2016	10	Fresno
			The proposed project will switch 80 acres from flood to drip								
			irrigation system with a smart irrigation controller, moisture								
California Department of	Statewide Water Efficiency	Henry Pruitt Anderson, III &	sensors, flow meters, a weather station, a variable frequency								
Food and Agriculture	Enhancement Program	Betty Jean Anderson	drive and solar panels.	\$150,000	10	0.0001	\$15,000	1	2016	10	Tulare
			Conversion of flood irrigated plums to drip irrigated. The								
			proposed project will include soil moisture sensors to optimize								
· '	Statewide Water Efficiency		irrigations and utilize ET based irrigation schedules. More								
Food and Agriculture	Enhancement Program	Huerta Family Farms Inc.	efficient pumps will be designed and installed.	\$150,000	355	0.0024	\$423	1	2016	10	Fresno
			Consolidation of a turbine and booster pump into a 150 HP								
			electric vertical shaft turbine with VFD. This project also replaces								
•	Statewide Water Efficiency		a diesel pump with a natural gas pump. In addition, weather and	4			***				Santa
Food and Agriculture	Enhancement Program	Innovative Produce Inc.	soil moisture monitoring will be installed.	\$150,000	2,181	0.0145	\$69	1	2016	10	Barbara
			Install a micro-sprinkler irrigation system on 80 acres of citrus to								
California Danastona da G	Clarke the Males Efficiency		reduce both water and energy usage as compared to the existing								
· ·	Statewide Water Efficiency	One of Breaking Citaria III C	furrow irrigation. Soil moisture instrumentation will be installed	¢1.40.1.40	247	0.0022	¢442	4	2016	10	Tulous
Food and Agriculture	Enhancement Program	Orosi Premium Citrus, LLC	to optimize water use.	\$140,140	317	0.0023	\$442	1	2016	10	Tulare
			80 Acre Water & GHG improvements including using ET to help								
California Danartment of	Statowide Water Efficiency										
•	Statewide Water Efficiency	Holmes Ag Management	determine irrigation scheduling. Changing over a deep well	¢124 E2E	711	0.0057	\$175	1	2016	10	Tulare
Food and Agriculture	Enhancement Program	Holmes Ag Management	diesel engine to an electric motor will drastically reduce GHGs. Install real time remote field monitoring and water quality	\$124,525	/11	0.0057	\$175	1	2016	10	Tulare
			treatment equipment and management system. Gypsum								
			machine will allow water amendments and reduce standing								
California Denartment of	Statewide Water Efficiency		water and evaporation. A drip line system will replace the								
· ·	Enhancement Program	DAMCO Investments	current flood system.	\$96,836	261	0.0027	\$371	1	2016	10	Tulare
Tood and Agriculture	Zimaneement rogram	Driving investments	Convert a flood irrigated parcel to double line drip. Also to be	730,030	201	0.0027	7371		2010	10	raiare
			installed will be a solution machine with gypsum silo and acid								
California Department of	Statewide Water Efficiency		injection pump that will help with water infiltration reducing								
·	Enhancement Program	C AND E OTT FARMS LLC	water use and pump run times.	\$150,000	640	0.0043	\$234	1	2016	10	San Joaquin
- U			Install a new drip irrigation system in 3 rice fields. This project	. ,			·				· ·
			includes a new electric pumping plant with VFD, filters,								
California Department of	Statewide Water Efficiency		underground pvc mainlines, drip tape, and soil moisture								
Food and Agriculture	Enhancement Program	Freedom Farms	monitoring system and weather station.	\$150,000	8	0.0001	\$18,750	1	2016	10	Sutter
			Install solar system and variable frequency drive to get to a net								
			zero energy use on existing ag pump. Also install electronic flow								
· ·	Statewide Water Efficiency		meter and moisture probe for more accurate monitoring and								
Food and Agriculture	Enhancement Program	Andrew Clark	irrigation scheduling on varying soil types.	\$69,195	90	0.0013	\$769	1	2016	10	Fresno
			The 41 acre property of almonds is applying for an upgrade in								
			the irrigation water management level. Install 1 soil moisture								
•	Statewide Water Efficiency		station, equip the pump station with a flow meter and attach								
Food and Agriculture	Enhancement Program	Godinho Orchards	pressure sensors.	\$10,923	36	0.0033	\$303	1	2016	10	Solano
			The scope of the project application serves to add a 29.925 kW								
•	Statewide Water Efficiency		DC solar system to a pumping site. In addition to the solar				_				San Luis
Food and Agriculture	Enhancement Program	Opolo Wines, LP	installment, soil moisture sensors will be added.	\$150,000	173	0.0012	\$867	1	2016	10	Obispo

Agency	Program	Project Name	Description	Total Dollars Implemented	GHG Reductions (MTCO2e)	MTCO2e / \$ Implemented	\$ Implemented / MTCO2e	Number of Projects	GHG Reduction Start	Project Life (Years)	County
			Install an advanced integrated micro-irrigation modular system,								
			Variable frequency drive (VFD) control system, distributed								
California Department of	Statewide Water Efficiency		irrigation pipeline infrastructure, and real-time monitoring of								
•	Enhancement Program	Sierra Shadows Ranch LP	applied nutrients, soil/ET, insecticides, herbicides, etc.	\$24,548	907	0.0369	\$27	1	2016	10	Kern
	5		The project will replace 142 acres (31.1 linear miles) of 3"	. ,			·				
			diameter aluminum pipe with new 3" diameter Certa-Lok								
			Yelomine PVC pipe and couplers. The savings of water will								
California Department of	Statewide Water Efficiency		reduce electric motor run hours and thus reduce GHG								
Food and Agriculture	Enhancement Program	Wm. Bolthouse Farms, Inc.	emissions.	\$150,000	751	0.0050	\$200	1	2016	10	Kings
			Upgrade from surface (flood) irrigation to an in-line drip system.								
•	Statewide Water Efficiency		Irrigation scheduling will be based upon a combination of ET	4							
Food and Agriculture	Enhancement Program	Sarvjeet Panach	data using CIMIS and pressure chamber readings.	\$125,541	307	0.0024	\$409	1	2016	10	Fresno
			Add Soil Moisture stations out in the fields to monitor irrigation								
California Danautus aut of	Ctatawida Watau Efficiana		efficiency. Convert solid set sprinkler system to drip. Add a flow								
· ·	Statewide Water Efficiency	Daker Forming	meter and pressure sensors. Installation of solar panels to	¢02.664	76	0.0000	ć1 222	1	2016	10	Dutto
Food and Agriculture	Enhancement Program	Baker Farming	power the pumps. Install a VFD on an existing pump and tie two pump stations	\$93,664	76	0.0008	\$1,232	1	2016	10	Butte
			together to be able to utilize the VFD on all acreage. Install solar								
California Donartment of	Statewide Water Efficiency		panels on an existing structure to offset usage of these pumps								
·	Enhancement Program	Iron Horse Ranches	located on the property.	\$150,000	260	0.0017	\$577	1	2016	10	Stanislaus
Food and Agriculture		I on noise kanches	The orchard is 10 acres of walnuts on loam soil with a solid set	\$130,000	200	0.0017	Ş377	1	2010	10	Stariisiaus
			irrigation system. Installation of soil moisture stations, inline								
California Department of	Statewide Water Efficiency		pressure sensors, and flow meters throughout the orchard and								
•	Enhancement Program	Andrew Castillo	pump stations.	\$11,430	4	0.0003	\$2,858	1	2016	10	Butte
Toda ana Agricaltare	Zimaneement rogiam	/ water cw casting	parity stations.	711,430		0.0003	72,030		2010	10	Datte
			Installation of weather and soil moisture monitoring hardware.								
California Department of	Statewide Water Efficiency		A new premium efficiency pumping station is to be installed. A								San Luis
· ·	Enhancement Program	DLP Ag Partnership, LP	VFD and a flowmeter will be installed at the project site.	\$149,903	167	0.0011	\$898	1	2016	10	Obispo
	_										
California Department of	Statewide Water Efficiency		On 96 acres of almonds, install a pump monitoring system as								
Food and Agriculture	Enhancement Program	Paiva Farms	well as 2 soil moisture stations to help with irrigation efficiency.	\$10,170	24	0.0024	\$424	1	2016	10	Butte
			The conversion of two diesel pump motors to natural gas								
			motors. The installation of an ET based moisture monitoring								
California Department of	Statewide Water Efficiency		system and the replacement of a solid set irrigation system with								
Food and Agriculture	Enhancement Program	Sipma Farms Inc.	a micro-irrigation system.	\$60,378	115	0.0019	\$525	1	2016	10	San Joaquin
			The project will install micro sprinklers on and a field that was								
			formally flood irrigated. In addition a smart irrigation controller								
·	Statewide Water Efficiency		system, moisture sensors, flow meters, and a weather station	44-0.000			40.000		2015		<u> </u> .
Food and Agriculture	Enhancement Program	Farming M's, Inc.	will be installed.	\$150,000	56	0.0004	\$2,679	1	2016	10	Tulare
			Installing high efficiency, low pressure double line drip irrigation								
California Danastorant of	Chatanida Matan Efficience		system on 121 acres of stone fruit that is currently flood								
•	Statewide Water Efficiency	Mishaal Clashaan	irrigated. A flow meter and moisture monitors will also be	Ć150.000	162	0.0011	ćozo	4	2016	10	Kings Francis
Food and Agriculture	Enhancement Program	Michael G Jackson	installed. Install 2 soil moisture stations as well as one pump station. The	\$150,000	163	0.0011	\$920	1	2016	10	Kings, Fresno
			soil moisture stations will each contain one soil moisture probe,								
California Department of	Statewide Water Efficiency		one Adcon radio, and the solar panel. Install two pressure								
•	·	Sami Jadallah	sensors, a VFD, and flow meters.	\$15,170	12	0.0008	\$1,264	1	2016	10	Yolo
Food and Agriculture	Enhancement Program	Saiiii Jauallall	Install new soil moisture and pump monitoring system on site.	\$15,170	12	0.0008	\$1,204	1	2016	10	1010
			The soil station information in the field, combined with the flow								
California Denartment of	Statewide Water Efficiency		meter and pressure data from the pump will help monitor								
•	Enhancement Program	James Moore Farm	irrigation practices and policies.	\$10,760	Ω	0.0007	\$1,345	1	2016	10	Butte
. Joa ana Agricalture	1andernene i rogidili	James Moore Farm	Batton practices and policies.	710,700	٥	0.0007	71,343		2010	1 10	Jacce

Agency	Program	Project Name	Description	Total Dollars Implemented	GHG Reductions (MTCO2e)	MTCO2e / \$ Implemented	\$ Implemented / MTCO2e	Number of Projects	GHG Reduction Start	Project Life (Years)	County
			Install soil moisture and water management tools. Convert to a								
			low flow drip line system. The two soil moisture stations								
California Department of	Statewide Water Efficiency		comprised of one soil moisture probe each as well as a radio								
•	Enhancement Program	Bertagna Orchards, Inc.	tower, and solar panel. Install flow meters on the two pumps.	\$150,000	116	0.0008	\$1,293	1	2016	10	Butte
<u> </u>			This project includes installing solar powered Rainbird	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, , ,				
			ClimateMaster weather stations to monitor soil moisture,								
California Department of	Statewide Water Efficiency		temperature, humidity, soil moisture, and wind speed all								Santa
Food and Agriculture	Enhancement Program	Sharyne Merritt	reported on-line through a cellular network.	\$54,808	4	0.0001	\$13,702	1	2016	10	Barbara
			Implementing a soil moisture station, and a pump flow meter.								
			The soil moisture station will consist of one soil moisture probe,								
•	Statewide Water Efficiency		and radio tower to report the information being read by the	,							
Food and Agriculture	Enhancement Program	Charles E. Langel Orchards	probe, and a solar panel.	\$11,175	17	0.0015	\$657	1	2016	10	Butte
			Add Soil Moisture stations out in the fields to monitor irrigation								
California Danartmant of	Ctatawide Water Efficiency		efficiency by being able to view the data online. Monitor pump								
·	Statewide Water Efficiency	Matanaha Farms	efficiency by adding a flow meter to the discharge and pressure sensors before and after the filter.	¢11 17E	4	0.0004	\$2.704	1	2016	10	Dutto
Food and Agriculture	Enhancement Program	Watanabe Farms	Adding Solar polar and converting from diesel to electric.	\$11,175	4	0.0004	\$2,794	1	2016	10	Butte
California Denartment of	Statewide Water Efficiency		Irrigation management using Telemetry with soil moisture,								
•	Enhancement Program	Anthony Gentile	pressure sensors, pump monitoring, and new flow meters.	\$112,314	32	0.0003	\$3,510	1	2016	10	Butte
1 000 and Agriculture	Limancement Program	Anthony dentile	Add Soil Moisture stations out in the fields to monitor irrigation	7112,314	32	0.0003	75,510		2010	10	batte
			efficiency by being able to view the data online. Monitor pump								
California Department of	Statewide Water Efficiency		efficiency by adding a flow meter to the discharge and pressure								
·	Enhancement Program	Stephens Farm	sensors before and after the filter.	\$11,175	2	0.0002	\$5,588	1	2016	10	Butte
			Installation of weather and soil moisture monitoring hardware.	+,	_		40,000				20.000
			Weather and soil moisture sensors and telemetry will be								
			installed to inform irrigation scheduling. Automated controls will								
California Department of	Statewide Water Efficiency		be installed and a flow meter will be installed to monitor flows								San Luis
Food and Agriculture	Enhancement Program	Kaweah's Run Vineyard	from	\$16,042	4	0.0002	\$4,011	1	2016	10	Obispo
			Add Soil Moisture stations out in the fields to monitor irrigation								
California Department of	Statewide Water Efficiency		efficiency. Monitor pump efficiency by adding a flow meter to								
	Enhancement Program	Knott Farms	the discharge and pressure sensors before and after the filter.	\$11,175	3	0.0003	\$3,725	1	2016	10	Butte
•	Statewide Water Efficiency		Install five new soil moisture stations as well as two new pump								
Food and Agriculture	Enhancement Program	Myers Seed	stations with solar power and flow meters.	\$93,096	122	0.0013	\$763	1	2016	10	Colusa
California Danastorant of	Chatavida Matau Efficiana		In this 212 acres lot of almonds, install a soil moisture station as								
·	Statewide Water Efficiency	Doughor	well as a pump flow monitoring station. Install micro sprinklers	¢150,000	102	0.0007	¢1 471	1	2016	10	Clann
Food and Agriculture	Enhancement Program	Baugher	in order to increase the effectiveness of the irrigation process.	\$150,000	102	0.0007	\$1,471	1	2016	10	Glenn
			The installation of soil moisture stations, inline pressure sensors,								
			and a flow meter throughout the orchard and pump station. By								
California Department of	Statewide Water Efficiency		connecting these monitoring devices through telemetry it will								
•	Enhancement Program	Peter Chapla	ensure proper use and oversight of water.	\$26,010	58	0.0022	\$448	1	2016	10	Butte
r o o a arra 7 igri o arrair o	Z.maneement regions	. etc. c.iapia	Install farm management platform to monitor irrigation at the	Ψ20,020	33	0.0011	\$110			10	Dates
			farm. This enables monitoring of soil moisture, local								
			evapotranspiration rates and weather, pump pressure								
California Department of	Statewide Water Efficiency		differential, remote pump control, in-line pressure, and capture								Santa
· ·	Enhancement Program	Babe Farms	flow data.	\$24,155	197	0.0082	\$123	1	2016	10	Barbara
			Replace moveable pipe sprinklers with double drip line. Install								
			both a soil moisture station and a pump/flow meter station. The								
California Department of	Statewide Water Efficiency		soil moisture station will consist of a soil moisture probe, an								
Food and Agriculture	Enhancement Program	Isidro Hurtado	Adcon radio, as well as a solar power.	\$54,165	6	0.0001	\$9,028	1	2016	10	Butte

				Total Dollars	GHG Reductions	MTCO2e / \$	\$ Implemented	Number of	GHG Reduction	Project Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Implement an Irrigation Management Program utilizing								
			telemetry with soil moisture, flow meter, and pressure sensors								
California Department of	Statewide Water Efficiency		throughout the various crops (raisin grapes, wine grapes and								
Food and Agriculture	Enhancement Program	Boparai Farms	almonds).	\$112,468	441	0.0039	\$255	1	2016	10	Fresno
			Installing drip irrigation systems, a VFD, soil moisture								
California Department of	Statewide Water Efficiency		sensors/water management system, and adding &								
Food and Agriculture	Enhancement Program	Samuelson Farms	interconnecting mainlines to supply water efficiently.	\$149,129	103	0.0007	\$1,448	1	2016	10	Fresno
			Add Soil Moisture stations out in the fields to monitor irrigation								
California Department of	Statewide Water Efficiency	Bertagna Custom Farming,	efficiency. Monitor pump efficiency by adding a flow meter to								
Food and Agriculture	Enhancement Program	Inc.	the discharge and pressure sensors before and after the filter.	\$32,760	8	0.0002	\$4,095	1	2016	10	Glenn
			On 160 acres of almonds, install one soil moisture station as well								
			as a digital pump flow meter and electric pump. The soil								
California Department of	Statewide Water Efficiency		moisture station will include one soil moisture probe, and Adcon								
Food and Agriculture	Enhancement Program	Old Colony Partnership	radio, a radio tower, and solar array.	\$105,018	5	0.0000	\$21,004	1	2016	10	Tehama
			Weather and soil moisture sensors and telemetry will be								
			installed and data analyzed to inform irrigation scheduling. A								
California Department of	Statewide Water Efficiency		flowmeter will be installed on an existing system to monitor								San Luis
Food and Agriculture	Enhancement Program	Patricia Diane Vineyard, LLC	flow rates during irrigation events.	\$20,610	5	0.0002	\$4,122	1	2016	10	Obispo
California Department of	Statewide Water Efficiency		On the 76 acre walnut orchard, install 8 soil moisture stations								
Food and Agriculture	Enhancement Program	Ken Braunschmidt	that measure the soil moisture and the in-line pressure.	\$47,793	2	0.0000	\$23,897	1	2016	10	Colusa
			Through the installation of soil moisture stations, irrigation								
			events will be monitored to know when the soil is at a maximum								
California Department of	Statewide Water Efficiency		moisture point. Incorporation of CIMIS data for better irrigation								
Food and Agriculture	Enhancement Program	Rahul Family Farms, L.P.	management.	\$66,465	4	0.0001	\$16,616	1	2016	10	Butte
			Installation of weather and soil moisture monitoring hardware.								
			A weather station and three soil moisture sensors and telemetry								
California Department of	Statewide Water Efficiency		will be installed and data analyzed to inform irrigation								San Luis
Food and Agriculture	Enhancement Program	X Line Farms	scheduling.	\$24,945	2	0.0001	\$12,473	1	2016	10	Obispo
-	Statewide Water Efficiency		Convert an almond orchard from flooded irrigation to solid set								
Food and Agriculture	Enhancement Program	Cordi Family Farms	sprinkle system and install a soil moisture sensor.	\$65,922	36	0.0005	\$1,831	1	2016	10	Sutter
			This project design includes two Hortau stations to be placed in								
			the most representative areas within the ranch. Hortau will also								
· ·	Statewide Water Efficiency		place a flowmeter monitoring station at each well location and								
Food and Agriculture	Enhancement Program	S&F Farms	pump station (2 sites).	\$22,023	90	0.0041	\$245	1	2016	10	Kern
			Incorporating the Hortau Irrigation Management System which								
			includes soil moisture sensors and data management software								
· ·	Statewide Water Efficiency		which will allow real time monitoring via mobile devices or								
Food and Agriculture	Enhancement Program	Alborz Farms LLC	computer.	\$44,216	284	0.0064	\$156	1	2016	10	Kern
•	Statewide Water Efficiency		Installing 11 Hortau stations to manage irrigation and plant								
Food and Agriculture	Enhancement Program	Holtermann Farms	stress on 1,050 acres.	\$95,004	714	0.0075	\$133	1	2016	10	Kern
			On 205 acres, install a smart irrigation controller system,								
0.116			moisture sensors, flow meters, and a weather station. In								
· ·	Statewide Water Efficiency		addition, the project with reduce GHGs by installing a variable						.		
Food and Agriculture	Enhancement Program	Martella Farm	frequency drive, solar panels to power the pump.	\$113,200	119	0.0011	\$951	1	2016	10	Kings
Callifornia D	5.51		Install Hortau's advanced irrigation management to analyze how								
'	Statewide Water Efficiency		far the irrigation is penetrating into the soil and root zone to	* * * · · · ·			.				
Food and Agriculture	Enhancement Program	J & R Sanguinetti Farms Inc.	better manage water and nutrients.	\$117,760	443	0.0038	\$266	1	2016	10	San Joaquin
			located week time a secretary field as exists also and contact and the								
			Install real time remote field monitoring and water quality								
California	Charles and a large and a large at the same at the sam		treatment equipment/agents and Water Management systems.								
·	Statewide Water Efficiency	David an Francis	A Water Management system will be installed with a drip line	A404 =60		2 2222	40.00-		2010		T
Food and Agriculture	Enhancement Program	Doug Les Farms	irrigation system to replace the current flood system.	\$131,788	40	0.0003	\$3,295	1	2016	<u> </u>	Tulare

				Total Dollars	GHG Reductions	MTCO2e / \$	\$ Implemented	Number of	GHG Reduction	Project Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Installing 16 Hortau stations for irrigation management. In							1	
			addition, this advanced system eliminates fertilizer and nutrient								
California Department of	Statewide Water Efficiency		leaching which in turn reduces the environmental impact of crop								Sacramento,
Food and Agriculture	Enhancement Program	Greene and Hemly	production.	\$138,030	322	0.0023	\$429	1	2016	10	Yolo
			Install real time remote field monitoring, Flow Meters and water								
			quality treatment equipment. Gypsum machines will allow the								
California Department of	Statewide Water Efficiency		water to be amended (with gypsum) and reduce the amount of								
Food and Agriculture	Enhancement Program	Travioli Family Farms	standing water and evaporation.	\$97,814	150	0.0015	\$652	1	2016	10	Tulare
			Incorporating the Hortau Irrigation Management System which	-							
			includes soil moisture sensors and data management software								
California Department of	Statewide Water Efficiency		which will allow real time monitoring via mobile devices or								
Food and Agriculture	Enhancement Program	Bidart Bros.	computers.	\$146,650	242	0.0017	\$606	1	2016	10	Kern
Ü	Ğ		·	. ,			•				
			Install 11 Hortau stations to properly manage 273 acres of citrus.								
California Department of	Statewide Water Efficiency		This system will incorporate the use of soil sensiometers and								
Food and Agriculture	Enhancement Program	Richardson Family Irrv. Trust	data management software to allow real time monitoring.	\$94,927	106	0.0011	\$896	1	2016	10	Tulare
	Statewide Water Efficiency	,	The installation of 5 Hortau Smart Stations on 108 acres of	+0 1/0 = 1			7				
Food and Agriculture	Enhancement Program	Rapp Family 2001 Trust	almonds.	\$44,856	16	0.0004	\$2,804	1	2016	10	Merced
- c c a antan agricantan c			Cover 1,130.59 acres of almonds and pistachios with Hortau's	¥ 1.7000			+=,==	_			
California Department of	Statewide Water Efficiency		advanced irrigation technology, using 17 stations on the								
Food and Agriculture	Enhancement Program	Porto Brothers	property.	\$147,898	158	0.0011	\$936	1	2016	10	Fresno
Toda aria / igricariare	Zimaneement rogiam	T OTTO BIOCHETS	On 252 acres of almonds and walnuts, install an advanced	Ψ117)030	100	0.0011	, , , , , , , , , , , , , , , , , , , 		2010	10	1103110
			irrigation management system from Hortau. This system will								
California Denartment of	Statewide Water Efficiency		allow the farm to use less water and energy by incorporating soil								
Food and Agriculture	Enhancement Program	Naimi Ranch Inc	moisture sensors.	\$85,204	R	0.0001	\$10,651	1	2016	10	Merced
Tood and Agriculture	Limancement Program	Nami Kanchine	Installation of a variable frequency drive as well as a new flow	783,204		0.0001	\$10,031		2010	10	Wierceu
California Department of	Statewide Water Efficiency		meter on new well. This well will serve 40 acres of 4th leaf								
Food and Agriculture	Enhancement Program	Jed Webster	almonds. The system allows for real time monitoring.	\$83,988	33	0.0004	\$2,545	1	2016	10	Madera
1 000 and Agriculture	Limancement rogram	Jed Webster	annonus. The system anows for real time monitoring.	703,300	33	0.0004	72,343		2010	10	Madera
			Install six soil moisture stations and one pump monitoring								
			station. The soil moisture station includes an Enviro-Pro Lite								
California Department of	Statewide Water Efficiency		120cm soil moisture probe, an in-line pressure sensor, and it								
Food and Agriculture	Enhancement Program	Twin Oaks Vineyard LLC	connected through a network to allow real time access.	\$70,753	203	0.0029	\$349	1	2016	10	Colusa
1 000 and Agriculture	Liniancement Program	I WIII Oaks VIIIeyard LLC	connected through a network to allow real time access.	\$70,733	203	0.0029	7343		2010	10	Colusa
			The consolidation of two irrigation pumps into a single, more								
California Department of	Statewide Water Efficiency		efficient pump Additionally, soil moisture sensors will be added								
Food and Agriculture	Enhancement Program	American Farms, LLC	to the aforementioned 86.8 acres, thus reducing water usage.	\$150,000	1,526	0.0102	\$98	1	2016	10	Monterey
1 000 and Agriculture	Liniancement Program	American Farms, LLC	The removal of a 170 HP diesel engine, and consolidation of a	\$130,000	1,320	0.0102	736		2010	10	ivioriterey
			turbine/booster pump combination into a single vertical shaft								
California Department of	Statewide Water Efficiency		turbine pump. In addition, weather and soil moisture monitoring								
Food and Agriculture	Enhancement Program	Mission Holdings	will be installed on 111 acres.	\$150,000	1,639	0.0109	\$92	1	2016	10	Monterey
1 000 and Agriculture	Limancement Program	Wilsold Holdings	Replacement of two diesel pumps with one electric pump with	\$150,000	1,039	0.0109	732		2010	10	ivioniterey
			VFD. Additionally, a solar PV system will be added to further								
California Department of	Statewide Water Efficiency		reduce GHG emissions. Soil moisture sensing will also be								
Food and Agriculture	Enhancement Program	Mission Ranches, LLC	applied.	\$150,000	2,486	0.0166	\$60	1	2016	10	Monterey
1 000 and Agriculture	Limancement rogram	Wilssion Ranches, LLC	Replacement of pumps with more energy efficient versions. In	7130,000	2,400	0.0100	700		2010	10	Wiontercy
California Department of	Statewide Water Efficiency	Adam Agricultural Limited	addition to these pump changes, weather and soil moisture								Santa
•	Enhancement Program	Partnership	monitoring will be installed on 65.58 acres.	\$150,000	491	0.0033	\$305	1	2016		Barbara
Food and Agriculture	Limancement Flogram	i artifership	The project will replace the 25 year old drip irrigation system	\$150,000	491	0.0053	\$3U3	1	2010	10	กลเกลเล
			with new drip lines and pressure compensating emitters to								
California Donartment of	Statewide Water Efficiency		significantly reduce irrigation water use. Also will install a 20kw								
<u>.</u>	· ·	MEK Group, Inc	solar farm.	¢74 470	220	0.0030	ćaan	4	2016	10	Korn
Food and Agriculture	Enhancement Program	MEK Group, Inc.	Retrofit the existing 200 HP electric vertical shaft turbine to	\$74,479	220	0.0030	\$339	1	2016	10	Kern
			_								
California Donartus aut - f	Statowide Mater Efficiency		increase efficiency. A variable frequency drive will be added to								
· •	Statewide Water Efficiency	V.D. Earma I.D.	this pump and solar PV system will be installed. Soil moisture	\$150,000	244	0.0021	\$482	1	2016	10	Montorox
Food and Agriculture	Enhancement Program	K&R Farms, LP	sensing will be implemented.	\$150,000	311	0.0021	\$482	1	2016	10	Monterey

Agonov	Drogram	Droiget Name	Description	Total Dollars	GHG Reductions		\$ Implemented		GHG Reduction		County
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Add Soil Moisture stations out in the fields to monitor irrigation								
California Donartment of	Statewide Water Efficiency		efficiency by being able to view the data online. Monitor pump								
'	Statewide Water Efficiency	Dan Bartagna Farming	efficiency with flow meter and pressure sensors Add solar units	¢1F0 000	106	0.0013	¢765	_	2016	. 10	N Dutto
Food and Agriculture	Enhancement Program	Ben Bertagna Farming	to all three pumps.	\$150,000	196	0.0013	\$765	1	2016	10	Butte
			Installation solar panels, weather and soil moisture monitoring								
			hardware. The solar installation is projected to offset 86% of								
California Denartment of	Statewide Water Efficiency		current electrical usage. Soil moisture sensors and telemetry will								San Luis
Food and Agriculture	Enhancement Program	Beck Ag Operations, Inc	be installed to inform irrigation scheduling.	\$150,000	170	0.0011	\$882	1	2016	10	Obispo
Toda ana Agricaltare	Zimaneement rogium	beek Ag Operations, me	Incorporate the Hortau Irrigation Management System on 519	7130,000	170	0.0011	7002		2010	10	ОБІЗРО
			acres of tomatoes. This advanced system eliminates fertilizer								
California Denartment of	Statewide Water Efficiency	West Coast Tomato Growers	and nutrient leaching which in turn reduces the environmental								
Food and Agriculture	Enhancement Program	INC	impact of the crop production.	\$147,844	597	0.0040	\$248	1	2016	10	San Diego
Tood and Agriculture	Limancement Program	11100	Add Soil Moisture stations out in the fields to monitor irrigation	7147,044	337	0.0040	7240		2010	10	San Diego
			efficiency by being able to view the data online. Monitor pump								
California Denartment of	Statewide Water Efficiency		efficiency by adding a flow meter to the discharge and pressure								
Food and Agriculture	Enhancement Program	Nick Bertagna Farming	sensors before and after the filter.	\$44,015	82	0.0019	\$537	1	2016	10	Butte
Tood and Agriculture	Limancement Program	Trick bertagna ranning	The Hortau Irrigation Management system will be implemented	544,015	82	0.0019	-		2010	, 10	Butte
			to make more informed irrigation decisions. These field								
California Denartment of	Statewide Water Efficiency		monitoring stations will record and store soil moisture tension,								Santa
Food and Agriculture	Enhancement Program	ARC Vineyards, LLC	system pressure and weather data.	\$32,365	75	0.0023	\$432	1	2016	10	Barbara
1 000 and Agriculture	Limancement Program	And villeyards, LLC	system pressure and weather data.	732,303	73	0.0023	7432		2010	, 10	Barbara
			To install and enable more efficient irrigation practices, based								
			on soil moisture, weather and pump controlling. This project								
California Denartment of	Statewide Water Efficiency		seeks help with funding for of drip tubing, replacement of diesel								
Food and Agriculture	Enhancement Program	James Davidson	pump, telemetry units along with weather sensors.	\$19,721	1	0.0002	\$4,930	1	2016	10	Butte
Food and Agriculture		James Davidson	Add Soil Moisture stations out in the fields to monitor irrigation	\$15,721	4	0.0002	\$4,930		2010	10	Butte
			efficiency by being able to view the data. Monitor pump								
California Denartment of	Statewide Water Efficiency		efficiency by adding a flow meter to the discharge and pressure								
Food and Agriculture	Enhancement Program	G and N Creekside Farms Inc	sensors before and after the filter.	\$38,650	62	0.0016	\$623	1	2016	10	Butte
1 000 and Agriculture	Limancement Program	d and it creekside rainis inc	Improve irrigation efficiency by implementing a Hortau	\$38,030	02	0.0010	7023		2010	10	Butte
			advanced irrigation management system. The proposed Hortau								
			Field Monitoring station will utilize 3 soil moisture sensors								
California Department of	Statewide Water Efficiency		(tensiometers) to measure, record and report soil moisture								
Food and Agriculture	Enhancement Program	Pavo Real Vineyard LLC.	tension.	\$14,697	18	0.0012	\$817	1	2016	10	Monterey
1 000 and Agriculture	Limancement Program	Pavo Real Villeyard LLC.	Convert nine acres of almonds from single set, R-5 sprinklers to	\$14,097	18	0.0012	301 7		2010	10	ivionterey
California Denartment of	Statewide Water Efficiency		a new low pressure, duel line drip system and install one soil								
Food and Agriculture	Enhancement Program	Jennifer Tucker	moisture station as well as a pump station.	\$33,456	6	0.0002	\$5,576	1	2016	10	Butte
Food and Agriculture		Jenniner rucker	moisture station as well as a pump station.	Ş55,430	0	0.0002	\$3,370	1	2010	10	Butte
			Implementation of Hortau's real time irrigation management								
California Denartment of	Statewide Water Efficiency		system. Hortau's soil tensiometers will be installed with-in the								San Luis
Food and Agriculture	Enhancement Program	Diamond West Farming Inc.	effective root-zone to measure plant stress.	\$148,231	181	0.0012	\$819	1	2016	10	Obispo
Tood and Agriculture	Limancement Frogram	Diamond West Farming inc.	Incorporating soil moisture sensors and data management	7140,231	101	0.0012	7019		2010	, 10	Орізро
			software provided by Hortau on 158 acres of rotational crops.								
California Denartment of	Statewide Water Efficiency		The system allows real time monitoring by mobile device or								
'	•	Tanimura Brothers, LP	phone.	\$86,682	40	0.0005	\$2,167	1	2016	10	Monterey
Food and Agriculture	Enhancement Program	Tallillula Brotilers, LP	Install 2 soil moisture probes and one variable drive pump	\$60,062	40	0.0003	\$2,107		2010) 10	Wionterey
			monitoring station on a 30 acre almond block, currently irrigated								
California Department of	Statewide Water Efficiency		by micro-sprinkler. This will improve the accuracy of the								
·	•	Komp Orchard		ĆEO 470		0.0003	ĆE 707		2010	10	Tohama
Food and Agriculture	Enhancement Program	Kemp Orchard	irrigation.	\$52,176	9	0.0002	\$5,797	1	2016	10	Tehama
			On 997 acres of tomatoes, walnuts and almonds, install a total								
			of 17 Hortau stations throughout the ranches. This system will								
California Donartment of	Statowide Water Efficiency										
<u>.</u>	Statewide Water Efficiency	D & I Canquinotti	allow the farm to use less water and energy by incorporating soil	Ć4.40 F0.4	340	0.0045	¢c=c		2010	10	Can laas
Food and Agriculture	Enhancement Program	R & J Sanguinetti	moisture sensors and data management software.	\$143,584	219	0.0015	\$656	<u> </u>	2016	<u> 10</u>	San Joaquin

				Total Dollars	GHG Reductions	MTCO2e / \$	\$ Implemented	Number of	GHG Reduction	Project Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Proposing to install field monitoring station to help manage								
California Department of	Statewide Water Efficiency		plant stress, irrigate to plant needs, and ultimately save water								San Luis
Food and Agriculture	Enhancement Program	Hidden Oak Winery	and reduce greenhouse gas emissions.	\$7,692	3	0.0004	\$2,564	1	2015	10	Obispo
0			Project includes 2 different properties that will engage irrigation	. ,			, ,				1
			management practices. Will add soil moisture stations in fields								
California Department of	Statewide Water Efficiency		to monitor irrigation efficiency by viewing data online that is								
Food and Agriculture	Enhancement Program	Charles F. Manhart	relayed through a telemetry network.	\$54,300	15	0.0003	\$3,620	1	2015	10	Colusa
			,								
		Purchase Transit Passes and									
		Tickets For the Promotion To									
California Department of	Low Carbon Transit	Increase Ridership and	Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Reduce Greenhouse Gases	transit options	\$4,913	1	N/A	N/A	1	2015	2	Kern
California Department of	Low Carbon Transit	Reduced Fare Project for	Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	college students	transit options	\$31,142	1	N/A	N/A	1	2016	1	Mendocino
California Department of	Low Carbon Transit		Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Expansion of Express Services	transit options	\$62,657	1	N/A	N/A	1	2018	1	Shasta
California Department of	Low Carbon Transit	Bus Shelter Installation	Installation of shelters could potentially increase transit trips by		See Footnote						
Transportation	Operations Program	Project	20 per day replacing an auto trip of 7 miles each way.	\$20,762	1	N/A	N/A	1	2015	25	Tehama
California Department of	Low Carbon Transit	Increase Awareness of Transit	Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	System	transit options	\$4,618	1	N/A	N/A	1	2015	7	Trinity
California Department of	Low Carbon Transit		Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Bus Shelter Construction	transit options	\$3,782		N/A	N/A	1	2015	20	Placer
California Department of	Low Carbon Transit	City of Davis weekend service	Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	expansion	transit options	\$30,977	1	N/A	N/A	1	2015	1	Yolo
			Provide multimodal options for commuters traveling to/from Elk								
		E-Tran Local Route 156	Grove that would utilize the improved Route 156 service and								
California Department of		Service Frequency	connect to light rail service at CRC. Increase ridership from		See Footnote						
Transportation	Operations Program	Improvements	students at the CRC traveling to/from the City of Elk Grove.	\$59,300		N/A	N/A	1	2015	1	Sacramento
California Department of	Low Carbon Transit		Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Louis Orlando Transfer	transit options	\$45,465		N/A	N/A	1	2016	15	Placer
California Department of	Low Carbon Transit		Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Free Fare Day Program	transit options	\$7,438		N/A	N/A	1	2015	1	Colusa
'	Low Carbon Transit	Cameron Park Fixed Route	Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Extension	transit options	\$57 <i>,</i> 524		N/A	N/A	1	2015	1	El Dorado
' ' '	Low Carbon Transit		Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Gold Country Stage	transit options	\$27,626		N/A	N/A	1	2015	1	Nevada
California Department of	Low Carbon Transit		Improved transit amenities to attract new riders and improve		See Footnote						Nevada,
Transportation	Operations Program	HWY 267 year round	transit options	\$38,608		N/A	N/A	1	2015	1	Placer
· '	Low Carbon Transit		Improved transit amenities to attract new riders and improve		See Footnote	4-	1-				
Transportation	Operations Program	Lincoln Saturday Route	transit options	\$12,234		N/A	N/A	1	2015	1	Placer
' ·	Low Carbon Transit		Improved transit amenities to attract new riders and improve	4	See Footnote						
Transportation	Operations Program	Rocklin Route	transit options	\$10,000	1	N/A	N/A	1	2015	1	Placer
			Bus Route 65 expansion will result in approx. 1,562 fewer VMT								
California D		B - B - 1 - 55 5	per weekday. Will increase mode share by expanding transit								
California Department of		Bus Route 65 Expansion	service by 1.7 miles and creating an opportunity for transfers at	A	See Footnote			_	221	_	
Transportation	Operations Program	Operations	two lights rail stations.	\$116,751		N/A	N/A	1	2015	1	Sacramento
' '	Low Carbon Transit	Bus Route 25 Enhancement	Bus Route 25 enhancement will result in approx. 500 fewer VMT	A a	See Footnote			_	221-	_	C
Transportation	Operations Program	Operations	per weekday, ultimately reducing GHG emissions.	\$45,292		N/A	N/A	1	2015	1	Sacramento
' ·	Low Carbon Transit	Compact Card	Estimated increase of 500 trips per day system wide. VMT	A== 4=0	See Footnote	**/*			2011	_	
Transportation	Operations Program	Connect Card	reduction is estimated to be 25 miles per person round trip.	\$75,150		N/A	N/A	1	2016	1	Sacramento
California	Law Carlos T	Court Line Die	Predicted increase of nearly 2,900 passenger boarding's per		6						
California Department of		South Line Phase 2	weekday on RT's Blue Line due to the operation of service along	400-000	See Footnote			_	221-	_	
Transportation	Operations Program	Operations	the SLP2 project.	\$365,969	<u> </u>	N/A	N/A	<u> </u>	2015	1	Sacramento

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	MTCO2e / \$	Implemented		Reduction		
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
	Low Carbon Transit	,	Improved transit amenities to attract new riders and improve	·	See Footnote	·					El Dorado,
Transportation	Operations Program	Route 30 Extension	transit options	\$34,128		N/A	N/A	1	2015		Placer
			Reduce VMT and GHF emissions by replacing auto trips with	+	_	,					
			transit trips. Programs could improve over 70,000 sing								
California Department of	Low Carbon Transit	Yolo Bus Fare Reduction	occupancy vehicle trips by adding over 70,000 additional bus		See Footnote						
Transportation	Operations Program	Program	rider per year.	\$58,883		N/A	N/A	1	2015	. 1	Yolo
			Reduction in VMT and GHG emissions by replacing auto trips	1/							
			with transit trips by making the busiest of local bus stops and the								
California Department of	Low Carbon Transit	North Beale Red Transit	overall system more accessible and attractive for both current		See Footnote						
Transportation	Operations Program	Center Enhancement	and future passengers.	\$60,305		N/A	N/A	1	2016	, 1	Yuba
'	Low Carbon Transit	Vine Bus Service to San	Reduction of GHG by reducing passenger vehicle miles traveled	+ /	See Footnote	, , ,					
Transportation	Operations Program	Francisco ferry in Vallejo	through expansion of service hours.	\$61,689		N/A	N/A	1	2015	, 1	Napa, Soland
				+ /	_	,	,				, , , , , , , , , , , , , , , , , , ,
ı			Reduction in deadhead miles of 528,436 if the Division 3 facility								
ı			is opened for 24/7 operations and service is increased by 10%.								
California Department of	Low Carbon Transit	Division 3 Re-Opening for	Re-opening Division 3 will allow for more buses to be added to		See Footnote						
Transportation	Operations Program	service expansion	the fleet, which with the District can expand service.	\$573,226		N/A	N/A	1	2015	50	Contra Costa
· · a · · op o · · cat. o · ·	o por acrono i rogi ann		Expanded service will reduce VMT and GHG emissions by	φσ/σ/220	_	,,,	,				
California Department of	Low Carbon Transit		replacing auto trips with transit trips. Expansion could add 145		See Footnote						
Transportation	Operations Program	Martinez Shuttle	bus riders per day.	\$185,881		N/A	N/A	1	2015	. 1	Contra Costa
Transportation	operations regium	Wateriez Stractic	Expansion could add 50 commuter bus rider per day. Upgraded	7103,001		14/71	1477		2013		contra costa
California Department of	Low Carbon Transit		amenities at transit stops and transportation shelters will help		See Footnote						
Transportation	Operations Program	Bus Stop Improvements	improve the customer experience.	\$98,890		N/A	N/A	1	2016	10	Solano
<u> </u>	Low Carbon Transit		Improved transit amenities to attract new riders and improve	750,050	See Footnote	14/71	14/71		2010	10	3014110
Transportation	Operations Program	Real Time Transit Signage	transit options	\$1,726		N/A	N/A	1	2016	10	Sonoma
California Department of		Heavy-Duty Transit Vehicle	Improved transit amenities to attract new riders and improve	Ψ1,720	See Footnote	11,71	.,,,,		2010	10	301101114
•	Operations Program	Procurement	transit options	\$34,267		N/A	N/A	1	2016	12	Alameda
California Department of	Low Carbon Transit		Expansion could add 110 commuter bus riders per day to replace	ψο 1,207	See Footnote	,,,,	,				7 11 11 11 11 11 11 11 11 11 11 11 11 11
•	Operations Program	Expanded service route 201	an average auto trip of 10 miles each way.	\$178,646		N/A	N/A	1	2016	. 1	Contra Costa
	Low Carbon Transit	Central San Rafael/SRTC	Improved transit amenities to attract new riders and improve	<i>+=+</i> 0/0 10	See Footnote	,	,	_			
Transportation	Operations Program	Commuter Ferry Shuttle	transit options	\$261,000		N/A	N/A	1	2015	. 1	Marin
California Department of	Low Carbon Transit	•	Improved transit amenities to attract new riders and improve	+===/===	See Footnote	,	,	_			
Transportation	Operations Program	Vehicles	transit options	\$45,703		N/A	N/A	1	2016	12	Marin
	- Comment of the comm	Purchase IBE (1) 40' Electric		+ 10/100	_		,				
California Department of	Low Carbon Transit	/Diesel Hybrid Bus	Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	(replacement)	transit options	\$107,192		N/A	N/A	1	2016	12	Alameda
		(representation)		+	_	,	,	_			Santa Clara,
											San
California Department of	Low Carbon Transit		Will reduce GHG emissions by converting the railroad from a		See Footnote						Francisco,
Transportation	Operations Program	Electrification Project	diesel powered commuter rail system to an electrified system.	\$935,322		N/A	N/A	1	2020	30	San Mateo
•	Low Carbon Transit	Train Car Repair and	Improved transit amenities to attract new riders and improve	Ψ333)311	See Footnote	1,77	,			- 55	San mates
Transportation	Operations Program	Maintenance Project	transit options	\$1,596,049		N/A	N/A	1	2016	. 1	Alameda
Transportation.	o per aciono i rogiami		Increased service, increased capacity. Riders will not need to	Ψ 2/33 3/6 13	_	1,77	,				7.1.4.11.6.4.4
California Department of	Low Carbon Transit		wait as long for buses. More service means more capacity and		See Footnote						San
Transportation	Operations Program	Lines	reduced crowding.	\$2,592,022		N/A	N/A	1	2015		Francisco
	Low Carbon Transit		Improvement in travel times for a large number of potential	Ψ2,332,022	See Footnote	11,71	,,,		2013		Traricisco
Transportation	Operations Program	Improvements	trips on the light rail line.	\$1,107,878		N/A	N/A	1	2018	50	Santa Clara
2p. 2. 48.49.1	- p = = = = = = = = = = = = = = = = = =		Project will remove more than 355 vehicles traveling between	+ -, , - , - , - ,		14/71	,/\				
California Department of	Low Carbon Transit	Transit Assistance Program	10 and 20 miles each trip, resulting in a reduction of more than		See Footnote						
Transportation	Operations Program	(TAP)	390,000 vehicle miles traveled each month.	\$802,508		N/A	N/A	1	2016	1	Santa Clara
Transportation	Operations Program	(IAI)	550,000 vernere nines traveleu caen month.	7002,300		IN/ A	IN/ A	1	2010	-	Junta Ciara
			Installation of 120 solar panels will generate 30KW of power								
			annually which is more than enough to power the entire facility								
California Department of	Low Carbon Transit	Curtola Park and Ride Hub	and charging stations. Offering a well-lit parking lot with		See Footnote						
Transportation	Operations Program		charging stations. Offering a well-lit parking lot with charging stations will keep 592 vehicles off the Highway.	\$169,444		N/A	N/A	1	2015	20	Solano
ι αιιομοι ιαιιοπ	operations Program	Triioto voitait raileis	charging stations will keep 332 vehicles on the highway.	\$109,444	<u> </u>	N/A	IN/A	I T	2015		Solatio

					GHG		Ś	Number	GHG	Project	
				Total Dollars	Reductions	MTCO2e / \$	Implemented		Reduction		
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
	Low Carbon Transit	,	Improved transit amenities to attract new riders and improve		See Footnote		,	, ,		(,
Transportation	Operations Program	Sonoma Valley Connector	transit options	\$338,943		N/A	N/A	1	2015	1	Sonoma
			Expanded transit service will reduce VMT and GHG emissions by	Ψ333,3 13	_	,,,		_		_	
California Department of	Low Carbon Transit		replacing auto trips with transit trips. Expansion could add 50		See Footnote						
•	Operations Program	Expanded Service Route 11	commuter bus rider per day.	\$54,247	1	N/A	N/A	1	2015	1	Contra Costa
-	Low Carbon Transit		Two-loop Saturday expansion could add 26 commuter bus trips		See Footnote	•	,				Santa
Transportation	Operations Program	Transit Expansion	per day.	\$79 <i>,</i> 756	1	N/A	N/A	1	2015	1	Barbara
			Expanded transit service will reduce VMT and GHG emissions by								
			replacing auto trips with transit trips. Expansion could add 2,500								
California Department of	Low Carbon Transit	Transit Services in East	passengers per month to replace an average of 4 miles of auto		See Footnote						
Transportation	Operations Program	Salinas	trips each way.	\$345,563	1	N/A	N/A	1	2015	1	Monterey
			Reduce GHG through expanded transit service, which will reduce								
			VMT by replacing single passenger vehicle trips with mass transit								
California Department of			trips. The potential amount of reduction in VMT is 726 miles per		See Footnote						San Benito,
Transportation	Operations Program	Intercounty Service Expansion	day.	\$18,741	1	N/A	N/A	1	2015	1	Santa Clara
		South Coast Transit									
California Department of		marketing and Try Transit	Improved transit amenities to attract new riders and improve		See Footnote						Santa
Transportation	Operations Program	Program	transit options	\$10,000	1	N/A	N/A	1	2015	1	Barbara
		SBMTD Line 1&2 A.M. Peak									
California Department of		· · ·	Improved transit amenities to attract new riders and improve	4	See Footnote	/-					Santa
Transportation	Operations Program	Improvement	transit options	\$101,679		N/A	N/A	1	2015	1	Barbara
'	Low Carbon Transit	SCT operating assistance for	Improved transit amenities to attract new riders and improve	407.040	See Footnote				2010		San Luis
Transportation	Operations Program	new Route 26 service	transit options	\$97,348		N/A	N/A	1	2016	1	Obispo
•	Low Carbon Transit	For Pide Bo for Toronia	Allows the City of Arvin to offer services for free not only to	¢c 070	See Footnote	N1 / A	21/2	4	2045		
Transportation	Operations Program	Free Ride Day for Transit	Arvin but also to Lamont and into the City of Bakersfield.	\$6,878		N/A	N/A	1	2015	1	Kern
California Department of		Due Step Impressements	Improved transit amenities to attract new riders and improve	¢4.440	See Footnote	N/A	N/A	1	2015	20	Kern
Transportation	Operations Program	Bus Stop Improvements	transit options	\$4,440	1	N/A	IN/A	1	2015	20	Kern
California Department of	Low Carbon Transit		Encourage transit ridership in disadvantaged areas by providing		See Footnote						
Transportation	Operations Program	Upgrade Transit Stop	for a shelter, bench, solar lighting and trash cans at 5 bus stops.	\$36,902		N/A	N/A	1	2016	10	Fresno
Transportation	Operations Program	Opgrade Transit Stop	Replacement of shelters will make it safe and comfortable for	730,902		IV/A	IV/A		2010	10	1163110
California Department of	Low Carbon Transit	Bus shelters with solar	passengers to wait for buses. It's anticipated these		See Footnote						
· ·	Operations Program	lighting	improvements will increase ridership by 10%.	\$17,580		N/A	N/A	1	2015	7	Kern
Transportation	operations riogium		Expansion could add 1,050 commuter bus riders per day to	\$17,300		14/71	14/7		2013	<u> </u>	Kerri
			replace and average of 3 auto trip miles each way. FAX's fixed								
California Department of	Low Carbon Transit		route fleet is virtually 100% CNG powered, thus furthering the		See Footnote						
Transportation	Operations Program	Increasing Tripper Service	emission reduction goal.	\$249,311		N/A	N/A	1	2015	1	Fresno
·		9 11	Install new bus stop amenities in newly expanding transit	· · ·			,				
California Department of	Low Carbon Transit	New Bus Stops and amenities	corridors on the city's Madera Area Express/MAX fixed route bus		See Footnote						
Transportation	Operations Program	for enhanced transit	system serving disadvantaged city residents.	\$50,146	1	N/A	N/A	1	2017	10	Madera
			Replacement of gas powered vehicles with electric vehicles will								
California Department of	Low Carbon Transit		account for savings of 33.3 metric tons of carbon dioxide per		See Footnote						
Transportation	Operations Program	Electric Bus	year.	\$5,784	1	N/A	N/A	1	2015	7	Kern
			New service could add 64 commuter bus riders per day to								
California Department of	Low Carbon Transit		replace an average of 39 miles of auto trips each way. VMT		See Footnote						Fresno,
Transportation	Operations Program	Visalia Fresno Shuttle	reductions equaling 651,456 miles annually.	\$167,017	1	N/A	N/A	1	2015	1	Tulare
			Initial estimates indicate that the expansion could add 50								
			commuter bus riders per day to replace an average of 10 miles								
California Department of			of auto trips each way. Reduce GHG emissions by making bus		See Footnote						
Transportation	Operations Program	Bus Voucher Program	fares more affordable.	\$8,622	1	N/A	N/A	1	2017	2	Kern
			Will reduce GHG emissions by replacing single occupant vehicle								
California Department of		Green Commuting Zero	trips with shared-ride trips, through both vanpooling and car		See Footnote						
Transportation	Operations Program	Emission	sharing.	\$69,760	1	N/A	N/A	1	2016	2	Fresno

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	MTCO2e / \$	Implemented	of	Reduction	Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Plan to add 12,616 service hours on some weekend and some								
			weekday routes improving service reliability and on time								
California Department of		Operating Assistance -	performance. Improved frequency is planned to attract more	4	See Footnote				2015		
Transportation	Operations Program	Expansion	riders less dependent on single occupant vehicles.	\$177,752	1	N/A	N/A	1	2015	1	Kern
			Upgrade transit stops/stations to support active transportation								
California Department of	Low Carbon Transit		and encourage ridership. Stops to include 4 sided shelter,		See Footnote						
Transportation	Operations Program	Bus Stop Enhancements	benches, solar lighting, bike racks, and trash receptacles.	\$65,035		N/A	N/A	1	2015	20	Kern
Transportation	Operations Program	bus stop Elinancements	Enhanced bus stops will attract 10 new riders each, over a year,	703,033		IV/A	N/A		2013	20	Kerri
			to replace an average drive round trip per rider of 60 miles.								
California Department of	Low Carbon Transit	Bus Stop Enhancements - Mc	Providing new amenities will attract new riders who will have a		See Footnote						
Transportation	Operations Program	Farland / Tehachapi	positive visual of Kern's transit service.	\$8,620		N/A	N/A	1	2015	20	Kern
	o p o ratio no r r e granni	, contactup	A total of 4 new routes will be added to increase service area,	+ -/		,					
California Department of	Low Carbon Transit		connectivity, and increase frequency along a high activity		See Footnote						
Transportation	Operations Program	Route Expansion	corridor.	\$51,481	1	N/A	N/A	1	2015	1	Kings
California Department of	Low Carbon Transit	Electric Bus Infrastructure	Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Improvements	transit options	\$40,687	1	N/A	N/A	1	2015	20	Los Angeles
			Expansion could add 520 commuter bus riders per day. Culver								
California Department of	Low Carbon Transit		City Bus fleet operates on 100% CNG, further contributing to		See Footnote						
Transportation	Operations Program	Culver City Bus Line 6	reduced GHG emissions.	\$34,529		N/A	N/A	1	2016	1	Los Angeles
California Department of	Low Carbon Transit		Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Bus Operation - Line 1X	transit options	\$38,999		N/A	N/A	1	2015	1	Los Angeles
'	Low Carbon Transit		Will encourage community bike and ride trips for a reduction of		See Footnote		_				
Transportation	Operations Program	Bike Racks for Dash Buses	auto trips and resultant VMT/GHG emissions.	\$214,964	1	N/A	N/A	1	2015	1	Los Angeles
			Will add approx. 19,000 passengers a year. Expected reduction								
California Danastana ta f	La Cadra Turnett		in VMT and GHG emissions by replacing current automobile trips		Can Familia						
California Department of		MBL Route 10 Rideshare	with the expanded service of this high frequency line. CNG	ĆE	See Footnote	N1/A	21/2	4	2045	1	
Transportation	Operations Program	Thursday	buses will reduce carbon footprint.	\$56,717		N/A	N/A	1	2015	1	Los Angeles
' ·	Low Carbon Transit	Student Dess Dreamen	Utilization of CNG fueling facility to fuel the CNG buses with CNG	ĆF 100	See Footnote	N1 / A	N/A	1	2016	1	Los Angolos
Transportation	Operations Program	Student Pass Program	New routes will introduce new bus service from downtown	\$5,100	<u></u>	N/A	IN/A	1	2016		Los Angeles
			Santa Monica to West Los Angeles to surrounding communities.								
California Department of	Low Carbon Transit	Fixed Route Bus Transit	New service will reduce VMT and GHG emissions. Estimated		See Footnote						
Transportation	Operations Program	Operations	additional 11% increase in ridership.	\$131,075		N/A	N/A	1	2015	2	Los Angeles
	Low Carbon Transit	2 Electric bus Charging	additional 1176 merease minaersmp.	Ψ131,073	See Footnote	14/71	14/7		2013	_	20371186163
Transportation	Operations Program	Stations	Expansion could add 50 commuter bus rider per day.	\$167,914		N/A	N/A	1	2016	9	Los Angeles
-			Proposed service expansion will introduce new, direct link bus	. ,		•	,				J
			service from downtown Long Beach to CSU Dominguez Hills.								
California Department of	Low Carbon Transit		Project will increase the use of transit. Will allow customers to		See Footnote						
Transportation	Operations Program	Route Extension Project	take a one-seat rider to new destinations.	\$163,267	1	N/A	N/A	1	2015	2	Los Angeles
		Metro Gold Line Foothill									
California Department of	Low Carbon Transit	Extension Phase 2Arcadia to	Improved transit amenities to attract new riders and improve		See Footnote						
Transportation	Operations Program	Azusa	transit options	\$5,897,391	1	N/A	N/A	1	2015	1	Los Angeles
		Metrolink Ticket Vending									San
California Department of		Machine Replacement and	Increased reliability of ticket vending machines is expected to		See Footnote						Bernardino,
Transportation	Operations Program	Expansion	increase system ridership by 9.9%.	\$486,312	1	N/A	N/A	1	2016	10	Los Angeles
			Expansion could add 50 commuter bus riders per day.								
California Department of		Harmada Barasia da Esta	Installation of bike racks on transit buses addresses "First	400	See Footnote				221-		1
Transportation	Operations Program	Upgrade Bus Bicycle Racks	Mile/Last Mile" travel.	\$39,556	1	N/A	N/A	1	2015	12	Los Angeles
California Department of	Low Carbon Transit	Durchase New Transit vehicle	Improved transit amenities to attract new riders and improve		See Footnote						
•		for service Expansion	transit options	\$295,041		N/A	N/A	1	2016	1	Ventura
Transportation	Operations Program	TOT SETVICE EXPAISION	Project would provide service free of charge to approx. 166	ŞZ35,U41	<u> </u>	IN/A	IN/A	1	2010	<u> </u>	venturd
California Department of	Low Carhon Transit		veterans, which in turn would replace VMT by 42.8 miles per trip		See Footnote						
Transportation	Operations Program	Veteran's Voucher Program	for an overall reduction in VMT of 7,104.8 miles.	\$655		N/A	N/A	1	2015	1	Riverside
Transportation	Operations i Togram	veteran 3 voucher mogram	ror an overall reduction in vivil of 7,104.0 lillies.	7033	<u> </u>	IN/ A	IN/A	I	2013		MVCISIUC

California Department of Low Carbon Transit Transportation Operations Program	tion Life	GHG Reduction		\$ Implemented	, .	GHG Reductions	Total Dollars	Daniel III.	Pariant Manage	D	
California Department of Low Carbon Transit Transportation Operations Program Proc Biold Day to register other part of transportation Operations Program Operations P	t (Years) County	Start	Projects	/ MTCO2e	Implemented	(MTCO2e)	implemented	·	Project Name	Program	Agency
Transportation Operations Program Pree Ride Day to register of their also trips. \$1,008 1 N/A N/A 2 2015 California Department of Cours Carbon Transit Transportation Operations Program Program Preeway Express Service California Department of Cours Carbon Transit Transportation Operations Program Chapter Selection (Lighting Cours Carbon Transit Cours Carbon Transit Chapter Selection (Lighting Cours Carbon Program Chapter Selection (Lighting Cours Carbon Transit Chapter Selection Chapter Selection (Lighting Cours Carbon Transit Chapter Selection Chapter Selec	Can					Soo Footnoto		· · · · · · · · · · · · · · · · · · ·		Low Carbon Transit	California Donartment of
Culifornia Department of Curv Carbon Transit Transportation Couration Program Curv Carbon Transit Transportation Curv Carbon Transit Tr	San 1 Barnardina	2015	1	NI/A	N/A		ć1 000		Free Ride Day		•
Culifornia Department of Low Carbon Transit Transportation Operations Program Preeway Express Service Une competitiveness with driving times. Sub Stop Improvements including Solar Pareks, EV Improved Express with driving times. Sub Stop Improvements including Solar Pareks, EV Improved Express with driving times. Sub Stop Improvements including Solar Pareks, EV Improved Express with driving times. Sub Stop Improvements including Solar Pareks, EV Improved Express with driving times. Sub Stop Improvements including Solar Pareks, EV Improved Express with driving times. Sub Stop Improvements including Solar Pareks, EV Improved Express with driving times. Sub Stop Improvements including Solar Pareks, EV Improved Express with driving times. Sub Stop Improvements including Solar Pareks, EV Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop Improvements in Improved Express with driving times. Sub Stop I	015 1 Bernardino	2015	1	IN/A	IN/A	1	\$1,098	·	Free Ride Day	Operations Program	rransportation
Transportation Operations Program Treeway Europess Service time competitiveness with driving times. 554,868 1 N/A N/A 1 2015	Com					Con Footmate				Lave Caulage Tuangit	California Danantorant of
California Department of Low Carbon Transit Including Soal Panels, TV Interportation Operations Program Charging Sation and Lighting Expert Panel California Department of Low Carbon Transit Operations Program Operations Operations Program Op	San	2015		NI/A	N1/A		ć	, , ,	Francisco Francisco Comitac		•
California Department of Low Carbon Transit Including Solor Panels, EV Transportation Operations Program Operations Program California Department of Low Carbon Transit Transportation Operations Program O	015 1 Bernardino	2015	1	N/A	IN/A	1	\$54,868	time competitiveness with driving times.	Freeway Express Service	Operations Program	Transportation
California Department of Low Carbon Transit Including Solor Panels, EV Transportation Operations Program Operations Program California Department of Low Carbon Transit Transportation Operations Program O									Rus Ston Improvements		
Transportation Operations Program Charging Station and Lighting Expansion could add 50 commuter bus rider per day. \$8,885 1 N/A N/A 1 2016 Profit Valley Line Feeder Bus Service is an expansion of the Survice will establish semines transfer between bus and rail at the new Commuter all stations operations Operations Program Operations Operations Program Operation Operations Program Operation Operations Program						See Footnote			·	Low Carbon Transit	California Denartment of
Perris Valley Line Feeder Bus Service is an expansion of the Terris Service is an expansion of the Transportation Operations Program existing 91 Line - Operating Service and expansion of the Transportation Operations Program operations of the Perris Valley Line feeder Bus Service will establish seamless transfers between bus and rail at the new carrier and stations—Operating Assistance operating Service will establish seamless transfers between bus and rail at the new carrier and the new commuter rail stations—Operating Assistance operating Assistan	016 20 Riverside	2016	1	N/A			\$8.885	Expansion could add 50 commuter bus rider per day.			•
Service is an expansion of the California Department of Use Carbon Transit Operations Program Assistance Department of Use Carbon Transit California Depar	20 1117013100				14/71		Ψ0,000	Expansion could add so commuter sustrices per day.		operations rogium	Transportation
California Department of Law Carbon Transit program (assistance parameter) of Law Carbon Transit program (assistance parameter) operations Program (assistan	Los Angeles,							The Perris Valley Line ridership could grow to 4,000 daily riders	·		
Transportation Operations Program Assistance Perirs Valley Line Feeder Bus Service will establish send rail at the new commuter rail stations - California Department of Low Carbon Transit Operations Program Operations Prog	Orange					See Footnote			•	Low Carbon Transit	California Department of
Service will establish sameless transfers between bus and rail at the new commuter rail stations operations Program Operations Operations Program Operations Program Operations Program Operations Program Operations Operations Program Operations Program Operations Program Operations Operations Program Operations Operations Program Operations Operations Program Operations Operations Operations Program Operations O	016 1 Riverside	2016	. 1	N/A	N/A	1	\$129,859	back service.	Assistance	Operations Program	Transportation
seamless transfers between bus and rail at the new commuter rail stations - Operations Program Operations Operations Program Operations Operations Program Operations Operations Program Operations Program Operations Program Operations Operations Operations Program Operations Operat									Perris Valley Line Feeder Bus	·	·
California Department of Low Carbon Transit Transportation Operations Program Operations Operations Program Operations Operations Program Operations Operati									Service will establish		
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Vine Street Stop Expansion will expand the bus zone on Vine Street which is next to downtwork Metrolink and downtwork Metrolink and downtwork Metrolink and downtwork for Expression of California Department of Transportation California Department of Department of Department of California Department of California Department of Department of California Department of Cali						See Footnote		Reduction in VMT and GHG emissions by providing a direct	commuter rail stations -	Low Carbon Transit	California Department of
will expand the bus zone on Vine Street which is next to downtwom Metrolink downtwom Metrolink connection between bus and rail. Project will see an estimated annual reduction of almost 4.4 million in VMT. California Department of Low Carbon Transit Downtwom San Bernardino Passenger Rail Project will extend Metrolink regional passenger rail service approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rails ervice approximately 1 mile when Metrolink regional passenger rail service approximately 1 mile when Metrolink regional passenger rail service approximately 1 mile when Metrolink regional passenger rail service approximately 1 mile when Metrolink regional passenger rail service approximately 1 mile when Metrolink regional passenger rail ser	015 1 Riverside	2015	1	N/A	N/A	1	\$460,410	transfer connection between bus and rail.	Operating Assistance	Operations Program	Transportation
California Department of Transportation California Department of Department of Transportation California Department of Department of Transportation California Department of Department of California Department of Department of California Department o								· ·	will expand the bus zone on		
Transportation Operations Program commuter rail station annual reduction of almost 4.4 million in VMT. \$558,822 1 N/A N/A 1 2016 Downtown San Bernardino Passenger Rail Project will extend Metrolink regional passenger Rail Project will extend Metrolink regional passenger rail service Improved transit amenities to attract new riders and improve Transportation Operations Program Operations Program approximately 1 mile transit options \$679,599 1 N/A N/A 1 2015 California Department of California Department of Transportation Operations Program Operations Operations Program Operations Opera								, ,			
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Passenger Rail Project will extend Metrolink regional passenger rail service approximately 1 mile transportation Operations Program California Department of Transportation Operations Program California Department of Transportation Operations Program California Department of Transportation Operations Program Operation	016 5 Riverside	2016	1	N/A	N/A	1	\$58,822	annual reduction of almost 4.4 million in VMT.		Operations Program	Transportation
Transportation Operations Program approximately 1 mile transit options \$679,599 1 N/A N/A 1 2015 Weekend Frequency Transportation to provide a wider range of travel purposes increased. Anticipation of increased ridership by 20% or an additional 89 riders per weekend day when the weekend frequency is increased. \$155,907 1 N/A N/A 1 2015 Fare Media Outreach and Educational Program will expand transportation options available to options available to Operations Program Victor Valley transit Authority Fare Media Outreach and Express fixed Route commuter bus service will serve multiple purposes for the Eastern Sierra region of Improved transit amenities to attract new riders and improve Transportation Operations Program of Low Carbon Transit the Eastern Sierra region of Improved transit amenities to attract new riders and improve See Footnote N/A N/A 1 2015 See Footnote The Victor Valley Transit Authority Fare Media Outreach and Educational Program, with reduced transit fares to nonprofit and social service agencies, will encourage use of public transportation to help eliminate 416 one-way trips per week. Expansion of Mammoth Express fixed Route commuter bus service will serve multiple purposes for the Eastern Sierra region of Improved transit amenities to attract new riders and improve California Department of Low Carbon Transit the Eastern Sierra region of Improved transit amenities to attract new riders and improve									Passenger Rail Project will		
Weekend Frequency Transportation to provide a wider range of travel Transportation Operations Program Operations Program California Department of Itanian Department of California Department of Cal	San					See Footnote		Improved transit amenities to attract new riders and improve	passenger rail service	Low Carbon Transit	California Department of
California Department of Low Carbon Transit Transportation to provide a wider range of travel purposes increased. Fare Media Outreach and Educational Program will expand transportation options available to Transportation California Department of Low Carbon Transit California Department of Low Carbon Transit California Department of Express fixed Route commuter bus service will serve multiple purposes for California Department of Low Carbon Transit California Department of Low Carbon Transit Transportation to provide a wider range of travel purposes for California Department of Low Carbon Transit Transportation to provide a wider range of travel purposes for the swider range of travel purposes for the wider specific purposes for the swider range of travel purposes for the swider range of travel purposes for the wider specific purposes for the swider range of travel purposes for the wider specific purpose for the swider range of travel purposes for the swider purpose for the swider purpose for travel purposes for the swider and district new riders and improve the secondary purposes for the swider purpose for the swider	015 30 Bernardino	2015	. 1	N/A	N/A	1	\$679,599	transit options		Operations Program	Transportation
California Department of Transportation Low Carbon Transit Operations Program Fare Media Outreach and Educational Program will expand transportation California Department of Department of Transportation California Department of Department of Transportation California Department of Expansion of Mammoth Express fixed Route commuter bus service will serve multiple purposes for the Eastern Sierra region of the Eastern Sierra region of Improved transit amenities to attract new riders and improve California Department of Low Carbon Transit Victor Valley Victor Valley Victor Valley Transportation to help eliminate 416 one-way trips per week. \$7,478 N/A N/A N/A N/A 1 2015 See Footnote California Department of Low Carbon Transit California Department									• • •		
Transportation Operations Program purposes increased. \$155,907 1 N/A N/A 1 2015 Fare Media Outreach and Educational Program will expand transportation options available to underserved populations in Transportation Operations Program Victor Valley Transit Authority Fare Media Outreach and options available to underserved populations in Transportation Operations Program Victor Valley transit Authority Fare Media Outreach and Educational Program, with reduced transit fares to nonprofit and social service agencies, will encourage use of public transportation Operations Program Victor Valley transit on the lep eliminate 416 one-way trips per week. \$7,478 1 N/A N/A 1 2015 Expansion of Mammoth Express fixed Route commuter bus service will serve multiple purposes for the Eastern Sierra region of Improved transit amenities to attract new riders and improve See Footnote								i i	·		
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expand transportation options available to underserved populations in Transportation Operations Program Victor Valley Transportation Operations Program Victor Valley Expansion of Mammoth Express fixed Route commuter bus service will serve multiple purposes for California Department of Low Carbon Transit California Department of Low Carbon Transit Expansion of Mammoth Express fixed Route commuter bus service will serve multiple purposes for the Eastern Sierra region of Improved transit amenities to attract new riders and improve The Victor Valley Transit Authority Fare Media Outreach and Educational Program, with reduced transit fares to nonprofit and social service agencies, will encourage use of public Transportation See Footnote \$7,478 1 N/A N/A N/A 1 2015 California Department of Low Carbon Transit Improved transit amenities to attract new riders and improve See Footnote											
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Express fixed Route commuter bus service will serve multiple purposes for California Department of Low Carbon Transit the Eastern Sierra region of Improved transit amenities to attract new riders and improve See Footnote	015 1 Bernardino	2015		IN/A	IN/A	1	\$7,470	transportation to help eliminate 416 one-way trips per week.		Operations Program	Transportation
California Department of Low Carbon Transit commuter bus service will serve multiple purposes for the Eastern Sierra region of Improved transit amenities to attract new riders and improve See Footnote											
Serve multiple purposes for California Department of Low Carbon Transit the Eastern Sierra region of Improved transit amenities to attract new riders and improve See Footnote											
California Department of Low Carbon Transit the Eastern Sierra region of Improved transit amenities to attract new riders and improve See Footnote											
						See Footnote		Improved transit amenities to attract new riders and improve		Low Carbon Transit	California Department of
	015 1 Inyo, Mono	2015	. 1	N/A	N/A		\$17.597	<u> </u>			•
				, / .	,,,,	_	÷ = . , ; ; ;		,	1	ransportation Op
California Department of Low Carbon Transit Calaveras Transit Green Tickets will distribute transit vouchers to See Footnote						See Footnote		Calaveras Transit Green Tickets will distribute transit vouchers to		Low Carbon Transit	California Department of
Transportation Operations Program Calaveras Transit Green county citizens who would otherwise use a personal vehicle \$14,549 1 N/A N/A 1 2015	015 1 Calaveras	2015	. 1	N/A	N/A		\$14,549		Calaveras Transit Green		'
Free Grapeline Fare Days will The free vouchers/rides will reduce VMT and GHG emissions by				•	,		. , -	·		<u> </u>	
increase ridership by 25% and replacing trips with transit trips. Will make it easier for new								· ·	•		
California Department of Low Carbon Transit reduce the number of passengers to travel on the bus without the concern of paying See Footnote						See Footnote				Low Carbon Transit	California Department of
Transportation Operations Program vehicles the fare. \$12,408 1 N/A N/A 1 2015	015 1 San Joaquin	2015	. 1	N/A	N/A		\$12,408	i			•

\$183,908 \$184,627 \$39,455	Reductions (MTCO2e) See Footnote 1 See Footnote 1 See Footnote 1	MTCO2e / \$ Implemented N/A N/A	Implemented / MTCO2e N/A N/A	Projects	Reduction Start 2016 2015	(Years)	County Stanislaus San Joaquin
\$183,908 \$14,627	See Footnote 1 See Footnote 1	N/A N/A	N/A		2016	15	Stanislaus
\$14,627	See Footnote 1	N/A	,	1			
\$14,627	See Footnote 1	N/A	,	1			
\$14,627	1	N/A	,	1			
	1		N/A	1	2015	1	San Joaquin
	1		N/A	1	2015	1	San Joaquin
	See Footnote		N/A	1	2015	1	San Joaquin
\$39,455	See Footnote 1	N/A					1
\$39,455	See Footnote 1	N/A					1
\$39,455	See Footnote 1	N/A					1
\$39,455	See Footnote 1	N/A					1
\$39,455	1	N/A					1
			N/A	1	2015	1	San Joaquin
							1
	_						1
	See Footnote						1
\$221,773	1	N/A	N/A	1	2015	1	San Joaquin
							1
							1
400.000	See Footnote						1
\$90,933	1	N/A	N/A	1	2015	1	Merced
							1
	Coo Foots at						1
4404 000	See Footnote	21/2			2045		s 5:
\$101,000	1	N/A	N/A	1	2015	1	San Diego
							1
							1
							1
	Can Footmata						1
\$630,000	see Foothole	NI/A	NI/A	1	2017	20	San Diago
\$630,000	<u>T</u>	N/A	N/A	1	2017	30	San Diego
							1
							1
							1
	See Footnote						1
\$473 141	1	N/A	N/A	1	2017	15	San Diego
7473,141		14/ 🖯	N/A		2017	13	San Diego
							1
	See Footnote						1
\$1,346,536	1	N/A	N/A	1	2015	1	Orange
Ψ1,3 10,330		14//	14//		2013		Grange
							1
							1
\$24.403.000	185.206	0.0076	\$132	1	2018	12	Los Angeles
φ2 1, 100,000	100,200	0.0070					Contra
							Costa, Santa
							Clara,
\$4.620.000	24.747	0.0054	\$187	1	2018	20	Alameda
, 1,1,1,000	= :,, . , ,	2.0001	7207				
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\$38.494.000	104.946	0.0027	\$367	1	2018	20	Los Angeles
	\$90,933 \$101,000 \$630,000 \$473,141 \$1,346,536 \$24,403,000 \$4,620,000 \$4,620,000	See Footnote \$90,933 See Footnote \$101,000 See Footnote \$630,000 See Footnote \$473,141 See Footnote \$1,346,536 \$24,403,000 \$185,206 \$4,620,000 24,747	\$90,933	\$90,933	See Footnote N/A N/A 1 \$90,933 1 N/A N/A 1 \$101,000 1 N/A N/A 1 \$630,000 1 N/A N/A 1 \$473,141 1 N/A N/A 1 \$1,346,536 1 N/A N/A 1 \$24,403,000 185,206 0.0076 \$132 1 \$4,620,000 24,747 0.0054 \$187 1	\$90,933 See Footnote \$101,000 1 N/A N/A \$630,000 1 N/A N/A \$2017 \$2017 \$2018 \$2018 \$473,141 1 N/A N/A \$1,346,536 1 N/A N/A \$24,403,000 185,206 0.0076 \$132 \$4,620,000 24,747 0.0054 \$187 1 2018	\$90,933

				Total Dollars	GHG Reductions	MTCO2e / \$	\$ Implemented	Number of	GHG Reduction	Project Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	
California State	Transit and Intercity Rail	LOSSAN Pail Carridon Assault	Collaborative effort among transit agencies to demonstrate the ability to increase use of transit for access to and from intercity rail services through the use of seamless ticketing and transfer	Ć4 675 000	427	0.0001	¢42.226		2016		San Luis Obispo, Orange, Los Angeles, Santa Barbara, Ventura, San
Transportation Agency	Capital Program	LOSSAN Rail Corridor Agency	policies, combined with free or discounted transfers.	\$1,675,000	137	0.0001	\$12,226	1	2016	1	Diego
California State Transportation Agency	Transit and Intercity Rail Capital Program	Monterey-Salinas Transit	Renovation and expansion of an existing maintenance facility to reduce buses traveling without carrying passengers resulting in fuel savings and more frequent transit service using a new zero-emission bus in a heavily traveled corridor. Purchase of five 40-foot CNG buses to launch BRT, increasing	\$10,000,000	9,964	0.0010	\$1,004	1	2017	20	Monterey
California State	Transit and Intercity Rail	Orange County	mode share to transit by providing a frequent limited stop								Orange, Los
Transportation Agency	Capital Program	Transportation Authority	service in a busy corridor.	\$2,320,000	2,978	0.0013	\$779	1	2016	14	Angeles
California State Transportation Agency	Transit and Intercity Rail Capital Program	Sacramento Regional Transit District	Refurbishment of 7 vehicles in order to support 15 min peak hour service frequencies throughout the RT light rail system and enable future limited stop service on the RT Gold and Blue Lines during the next 15 years. Completes a higher-speed BRT route with service as frequent as	\$6,427,000	18,062	0.0028	\$356	1	2016	15	Sacramento
California State Transportation Agency	Transit and Intercity Rail Capital Program	San Diego Association of Governments	every 15 minutes. Includes a new intermodal transportation center and the purchase of 15 60-foot, low-floor articulated CNG buses. Provides a new trolley station and includes the purchase of at	\$4,000,000	56,366	0.0141	\$71	1	2017	18	San Diego
California State Transportation Agency	Transit and Intercity Rail Capital Program	San Diego Metropolitan Transit System	least 8 new trolley vehicles that will provide additional service and increased ridership, addressing overcrowded conditions on the current system.	\$31,936,000	12,000	0.0004	\$2,661	1	2018	20	San Diego
California State Transportation Agency	Transit and Intercity Rail Capital Program	San Francisco Municipal Transportation Agency	The purchase of 8 zero-emission light rail vehicles to allows for an increase of capacity and frequency on the system to accommodate increased ridership, especially in peak hours.	\$41,181,000	24,429	0.0006	\$1,686	1	2020	20	San Francisco, San Mateo
California State Transportation Agency	Transit and Intercity Rail Capital Program	San Joaquin Regional Rail Commission	Installation of wayside power which will eliminate the need for overnight idling of diesel engines during routine maintenance, and result in fewer emissions and less noise pollution.	\$200,000	194,156	0.9708	\$1	1	2016	20	San Joaquin
California State Transportation Agency	Transit and Intercity Rail Capital Program	San Joaquin Regional Transit District	Expands BRT system to improve transit attractiveness through high-frequency, limited-stop BRT services. Provides significant time savings and connectivity compared to current services. Includes the purchase of 12 new diesel-hybrid buses.	\$6,841,000	15,098	0.0022	\$453	1	2017	20	San Joaquin
California State Transportation Agency	Transit and Intercity Rail Capital Program	SCRRA (Metrolink)	Provides cleaner, safer, more reliable and faster travel to current services throughout the entire service area by replacing 7 locomotives, and also acquiring 2 additional locomotives that will be used to increase service and improve safety.	\$41,181,000	137,395	0.0033	\$300	1	2020	20	San Bernardino, Riverside, Orange, Los Angeles, Ventura, San Diego
California State Transportation Agency	Transit and Intercity Rail Capital Program	Sonoma Marin Area Rail Transit	Leverages a one-time opportunity to purchase 3 additional rail cars, allowing additional capacity to be available for weekend, peak period, seasonal and special event demand periods.	\$11,000,000	82,630	0.0075	\$133	1	2017	20	Marin
CalRecycle	Organics Composting/Digestion Grants	Colony Energy Partners - Tulare, LLC	Build a high-solids anaerobic codigestion facility that will divert more than 110,000 tons of waste from landfills per year and will produce renewable biomethane. The project also includes a food waste prevention component.	\$2,925,920	651,451	0.2226	\$4	1	2016	10	Tulare

				Talal Dalla	GHG	MTCO2 - / ¢	\$	Number	GHG	Project	
Agoncy	Program	Project Name	Description	Total Dollars Implemented	Reductions (MTCO2e)	MTCO2e / \$ Implemented	/ MTCO2e	of Projects	Reduction Start	Life (Years)	County
Agency	Program	Project Name	The purchase of equipment designed to extract organic material	implemented	(IVITCOZE)	impiementeu	/ WITCOZE	Projects	Start	(Tears)	County
			intermingled with mixed solid waste so that it can be								
			anaerobically digested to divert an additional 214,800 tons of								
	Organics		waste from landfills over the project life and produce								
CalRecycle	Composting/Digestion Grants	Recology Fast Bay	biomethane.	\$3,000,000	201,800	0.0673	\$15	1	2015	10	Alameda
- Camico y circ		The control of the co	Build a new covered aerated static pile composting operation	+ 5/555/555		0.007.0		_		1	
			that will divert 323,400 tons of waste from landfills over the								
	Organics	Burrtec Waste Industries,	project life and will generate compost for use as a soil								San
CalRecycle	Composting/Digestion Grants	Incorporated	amendment.	\$2,595,080	184,300	0.0710	\$14	1	2015	5 10	Bernardino
			Construct a new covered aerated static pile composting								
			operation that will divert 289,700 tons of waste from landfills								
	Organics	Mid Valley Disposal,	over the project life and will generate compost for use as a soil								
CalRecycle	Composting/Digestion Grants	Incorporated	amendment.	\$3,000,000	137,200	0.0457	\$22	1	2015	5 10	Fresno
			Upgrade existing equipment to Increase the diversion of hard-to-								
			recycle post-consumer carpet fiber waste from landfills by								
			38,633 tons over the project life. The project will create								
			products such as fiber cushion, traffic signs, building signs, and								
CalRecycle	Recycling Manufacturing	Reliance Carpet Cushion	flooring substrate.	\$1,000,000	8,113	0.0081	\$123	1	2015	, 10	Los Angeles
			Facility upgrades to divert an additional 313,600 tons of waste								
			from landfills over the project life, increase the recycled content								
			of reusable bags, and manufacture a higher quality product								
CalRecycle	Recycling Manufacturing	Command Packaging	capable of 125 reuses over its lifetime.	\$3,000,000	272,700	0.0909	\$11	1	2015	10	Los Angeles
			Burchase of aguinament to divert 50 200 tone of wests from								
			Purchase of equipment to divert 50,300 tons of waste from								
		Basina la Blastica Basadian	landfills over the project life and utilize a combination of bottle								
CalDaguala	Decrealing Manareforate vision	Peninsula Plastics Recycling,	labels, fines, and paper sludge as feedstock to produce a range	ć1 000 000	44.000	0.0410	¢2.4		2015	- 10	Chamialavia
CalRecycle	Recycling Manufacturing	Incorporated	of landscaping material including landscape bender boards.	\$1,000,000	41,900	0.0419	\$24	1	2015	10	Stanislaus
			Expand the facility's capacity to divert an additional 83,000 tons								
	Organics		of waste from landfills per year and produce renewable natural								
CalRecycle	Composting/Digestion Grants	CP&P Incorporated	gas transportation fuel and soil amendments.	\$3,000,000	483,000	0.1610	\$6	1	2016	10	Riverside
Cainecycle	Composting/Digestion Grants	CN&N IIICOI porated	Loan to a processor of green waste to divert an additional	\$3,000,000	463,000	0.1010	, 50	1	2010	10	Riverside
			241,500 tons of waste from landfills over the project life and								
	Organics and Recycling		produce compost of various grades that are sold to the		101,430						Tulare
CalRecycle	Project Loans	Harvest Power California, LLC	surrounding farms, landscapers, and municipalities.	\$890,000		0.1140	\$9	1	2016	5 10	,
Carrecycle	Troject Louris	Traineser ower camorria, Eze	Loan to a processor of green waste to divert an additional	\$650,000		0.1140	73		2010	10	
			877,500 tons of waste from landfills over the project life and								San
	Organics and Recycling		produce 3/8" and 1" compost, compost blend, 2" mulch, and		368,550						Bernardino
CalRecycle	Project Loans	Nursery Products, LLC	bagged compost/top soil.	\$850,000		0.4336	\$2	1	2015		,
	.,	, , , , , , , , , , , , , , , , , , , ,	Provides low-income, single-family homes with solar	, ,			,				
Community Services and	Single-Family Solar		photovoltaics systems to lower cost barriers to renewable solar								Various
Development	Photovoltaics (PV)	Solar PV Installation	energy.	\$6,317,740	TBD	TBD	TBD	582	2015	5 25	Statewide
·			Provides single/small multi family, low-income homes with								
			weatherization/energy upgrades such as: weather-stripping,								
Si	Single-Family/Small Multi-		solar water heaters, and fixing/replacing windows, heating, and								
Community Services and	Family Energy Efficiency and		cooling systems, which improve comfort and reduce energy								Various
Development	Solar Water Heating	Single Family Weatherization	costs.	\$1,115,614	TBD	TBD	TBD	1,543	2015	10 - 20	Statewide
		Developing a Protocol for Net									
		Carbon Sequestration from	Restore 90 acres of Osa Meadow using the pond and plug								
Department of Fish and	Mountain Meadow	Restoration of Eastern Sierra	technique. The project is designed to enhance the meadows								
Wildlife	Ecosystems	Meadows	ability to sequester carbon and provide an array of co-benefits.	\$921,766	2,019	0.0022	\$457	l 1	2020) 25-50	Tulare

Agency	Program	Project Name	Description	Total Dollars Implemented	GHG Reductions (MTCO2e)	MTCO2e / \$ Implemented	\$ Implemented / MTCO2e	Number of Projects	GHG Reduction Start	Project Life (Years)	County
		Mountain Meadows									
		Restoration Project at									
		Greenville Creek and Upper	Restore 253 acres of degraded dry mountain meadow habitat								
		Goodrich and Effects on GHGs	(Greenville Creek [181 ac] and Upper Goodrich [72 ac]								
Department of Fish and	Mountain Meadow	(2 Locations - Data reflects	meadows), using the pond and plug technique and other actions								
Wildlife	Ecosystems	totals over all locations)	to increase carbon sequestration and provide co-benefits.	\$679,566	23,162	0.0341	\$29	1	2018	25-50	Lassen
			Restore up to 37 acres of meadow and 2 acres of riparian								
			habitat with a variety of measures, (e.g. modification of a culvert								
Department of Fish and	Mountain Meadow	Middle Martis Creek	intake, construction of a new channel downstream of diversion,								
Wildlife	Ecosystems	Wetlands Restoration	stabilizing confluence with Martis Creek, revegetation, etc.).	\$594,176	5,725	0.0096	\$104	1	2020	25-50	Placer
		A Demonstration of the		+	5,1 = 5		7-0.				
		Carbon Sequestration and									
		Biodiversity Benefits of	Restore 80 acres of Childs Meadow using cost-effective Beaver								
		Beaver and Beaver Dam	Dam Analogues and riparian fencing. Restoration actions are								
Department of Fish and	Mountain Meadow	Analogue Restoration	designed to increase carbon sequestration and provide co-								
Wildlife	Ecosystems	Techniques	benefits.	\$539,672	194	0.0004	\$2,782	1	2019	25-50	Tehama
			Destars / subspace 20 series of west recorded within a read and all us								
			Restore/enhance 39 acres of wet meadow using pond and plug								
Department of Field and	Na contain Na a dage	Dana Mandau Dantaurtina	restoration technique to increase the capacity of the meadow to								
Department of Fish and	Mountain Meadow	Bean Meadow Restoration	sequester carbon and provide co-benefits (reduce downstream	Ć402 F42	2.570	0.0073	6420	4	2010	25.50	D 4
Wildlife	Ecosystems	Project	sedimentation, improve water quality, improve wildlife habitat).	\$493,543	3,578	0.0072	\$138	1	2018	25-50	Mariposa
		Yuba Headwaters Meadow	Restore Loney Meadow 47.2 ac, Deer Meadow 46.1 ac, and Bear								
		Restoration (3 Locations -	Trap Meadow 72.0 ac through stream channel and gully								
Department of Fish and	Mountain Meadow	Data reflects totals over all	restoration and road drainage improvements; reclaiming old								Nevada,
Wildlife	Ecosystems	locations)	roads; restoring natural flow paths; and re-vegetation work.	\$567,480	15,166	0.0267	\$37	1	2020	25 50	Sierra
vviidiile	Ecosystems	locations)	Restore and enhance up to 37 acres of degraded wet meadow	\$307,460	15,100	0.0207	3 37	1	2020	23-30	Sierra
			and 2 acres of riparian habitat (modification of a culvert intake,								
Department of Fish and	Mountain Meadow	Truckee Meadows	construction of a new channel, restoration of headcuts in								
Wildlife	Ecosystems	Restoration Project	existing channel, and revegetation).	\$1,495,551	2,129	0.0014	\$702	1	2020	25-50	Nevada
Wilding	Leosystems	Nestoration Project	existing charmer, and revegetation).	71,433,331	2,123	0.0014	7702		2020	23 30	revada
		Restoration of the Carbon	Restore 9 acres to the sedge-dominated plant community to								
		Storing Ecosystem in	enhance the carbon sequestration capacity of the restored								
Department of Fish and	Mountain Meadow	Tuolumne Meadows,	meadow, while also providing co-benefits (e.g., improved water								
Wildlife	Ecosystems	Yosemite National Park, CA	holding capacity of the soils and greater sediment retention).	\$587,996	104	0.0002	\$5,654	1	2018	25-50	Tuolumne
			Construction of a 700 ac Whale's Mouth Wetland and								
			restoration of 1,000 acres of Belly Wetland. Permanent								
		Sherman Island Wetland	palustrine emergent wetlands will sequester GHG, provide co-								
		Restoration Project (2	benefits (subsidence reversal, improved levee stability, wildlife								
Department of Fish and	Sacramento-San Joaquin	Locations - Data reflects	habitat).	A.							
Wildlife	Delta and Coastal Wetlands	totals over all locations)		\$10,386,139	500,000	0.0481	\$21	1	2020	25-50	Sacramento
			Restore 34 acres of diverse coastal wetlands and 20 acres of								
			upland habitat, connected to Devereux Slough. The project is								
Department of Fish and	Sacramento-San Joaquin	North Campus Open Space	designed to sequester GHGs and provide co-benefits (habitat,								Santa
Wildlife	Delta and Coastal Wetlands	Wetlands Restoration	reduce localized flooding, provide educational opportunities).	\$999,989	2,015	0.0020	\$496	1	2020	25-50	Barbara
		Blue Carbon at Elkhorn	5	. , -	,						
		Slough: Increasing Regional	Restore 61 acres of tidal salt marsh and 5 acres of a perennial								
		Carbon Sequestration	grassland buffer in the southern area of Elkhorn Slough. The								
Department of Fish and	Sacramento-San Joaquin	Through Salt Marsh	project is designed to restore coastal wetlands to reduce GHGs								
Wildlife	Delta and Coastal Wetlands	Restoration	and improve important estuarine habitat.	\$2,996,768	13,056	0.0044	\$230	1	2020	25-50	Monterey

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	MTCO2e / \$	Implemented	of	Reduction	_	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
		Initiation of Thin-layered									
		Sediment Augmentation on									
			Enhance 10 acres of subsiding tidal salt marsh habitat by								
Department of Fish and	Sacramento-San Joaquin		applying thin layer of sediment as sea-level rise adaptation tool								
Wildlife	Delta and Coastal Wetlands	· · · · · · · · · · · · · · · · · · ·	for long-term preservation of coastal salt marsh habitat.	\$1,055,827	3,713	0.0035	\$284	1	2020	25-50	Orange
Department of Water			Improve availability and Efficiency of Hydroelectric Generation								
Resources	Water Energy - Turbines	Hyatt Power Plant U1 Turbine		\$3,863,000	TBD	TBD	TBD	1	2017	10	Butte
Department of Water	Mala Fara Talian	Thermalito Power Plant U1	Improve availability and Efficiency of Hydroelectric Generation	ć4 077 000	TD.D.	TDD	T DD	4	2047	4.0	D 11-
Resources	Water Energy - Turbines		Turbine	\$1,877,000	TBD See Footnote	TBD	TBD See Footnote	1	2017		Butte
High Speed Rail Authority	High Spood Bail	•	Beginning construction of high speed rail line meant to connect SF and LA	\$259,000,000		See Footnote 2	see roothote	1	2025		Fresno, Madera
night Speed Kall Authority	Affordable Housing	Segment	Transit-oriented development with 58 affordable housing units	\$259,000,000	2	See Foothote 2			2025	30	iviauera
Strategic Growth Council	Sustainable Communities	Riviera Family Apartments	and improvements to pedestrian facilities.	\$4,956,610	8,110	0.0016	\$611	1	2017	30	Contra Costa
Strategie Growth Council	Affordable Housing	Tarviera Farmy Aparements	and improvements to pedestrian racinities.	ŢŦ,550,010	0,110	0.0010	7011		2017	30	CONTI a COSta
Strategic Growth Council	Sustainable Communities	Rolland Curtis East	Transit-oriented development with 70 affordable housing units.	\$4,000,000	16,294	0.0041	\$245	1	2018	30	Los Angeles
	Affordable Housing		Integrated connectivity project with 80 affordable housing units	+ 1/222/22			7 - 10				
Strategic Growth Council	Sustainable Communities	Miraflores Senior Housing	for seniors located near transit.	\$5,077,558	14,211	0.0028	\$357	1	2017	30	Contra Costa
	Affordable Housing		Transit-oriented mixed-used development with 50 housing units,								
Strategic Growth Council	Sustainable Communities	Crenshaw Villas	49 of those designated affordable units for seniors.	\$2,200,000	13,149	0.0060	\$167	1	2018	30	Los Angeles
			Integrated connectivity project completing a Bus Rapid Transit								
	Affordable Housing	South Bay Bus Rapid Transit	route to the Mexican border, providing alternative								
Strategic Growth Council	Sustainable Communities	(BRT) Project	transportation options to residents and employees.	\$7,000,000	182,429	0.0261	\$38	1	2017	18	San Diego
	Affordable Housing		Integrated connectivity project with 120 units (119 affordable),								
Strategic Growth Council	Sustainable Communities	Anchor Place	on-site amenities, and off-site upgrades to nearby transit.	\$2,441,616	28,369	0.0116	\$86	1	2017	30	Los Angeles
			Transit-oriented development with 32 affordable housing units,								
	Affordable Housing		transit passes for residents, and improvements to pedestrian	40 000			4				
Strategic Growth Council	Sustainable Communities	Camino 23	facilities connected to transit.	\$3,062,730	5,139	0.0017	\$596	1	2019	30	Alameda
	Affandable Henring		Transit-oriented mixed-use infill development project with 87								
Stratagia Crawth Council	Affordable Housing		housing units (86 affordable), on-site amenities, and free transit	ĆE E22 400	22.060	0.0058	¢172	1	2017	20	Alamada
Strategic Growth Council	Sustainable Communities Affordable Housing	3706 San Pablo Avenue	passes, with transit adjacent to the site.	\$5,532,400	32,060	0.0058	\$173	1	2017	30	Alameda
Strategic Growth Council	Sustainable Communities	777 Park Ave	Transit-oriented development with 82 affordable housing units.	\$4,000,000	12,070	0.0030	\$331	1	2017	30	Santa Clara
Strategic Growth Council	Affordable Housing	Westside Infill Transit	Transit-oriented development with 92 affordable housing	\$4,000,000	12,070	0.0030	3331	т	2017	30	Santa Ciara
Strategic Growth Council	Sustainable Communities		units, bicycle lanes, and pedestrian pathways.	\$9,240,888	16,103	0.0017	\$574	1	2017	30	San Diego
Strategie Growth Council	Sustainable communices	Grieffica Bevelopment	Integrated connectivity project adjacent to the Santa Ana	\$3,240,000	10,103	0.0017	7 37 1		2017	30	July Diego
			Regional Transit Center consisting of 70 affordable family								
	Affordable Housing		housing units and upgrades to nearby transportation								
Strategic Growth Council	Sustainable Communities	Depot at Santiago	infrastructure for increased pedestrian safety and use.	\$3,925,000	27,532	0.0070	\$143	1	2017	30	Orange
-					,						
	Affordable Housing		Integrated connectivity infill project with 101 affordable units								
Strategic Growth Council	Sustainable Communities	Sylmar Court Apartments	and retail store located near the MetroLink Sylmar station.	\$2,500,000	23,000	0.0092	\$109	1	2017	30	Los Angeles
			Transit-oriented infill development with 40 affordable housing								
	Affordable Housing	Civic Center 14 TOD	units and improved bicycle access and connectivity to nearby								
Strategic Growth Council	Sustainable Communities	Apartments	transit.	\$1,500,000	6,616	0.0044	\$227	1	2017	30	Alameda
			Transit-oriented mixed-use development with 31 affordable								
	Affordable Housing		housing units, retail space, and outlets for electric vehicle plug								
Strategic Growth Council	Sustainable Communities	1st and Soto TOD Apartments		\$2,485,440	14,172	0.0057	\$175	1	2018	30	Los Angeles
			Transit-oriented mixed-use infill development project with 60								
	Affandakla Hauston		affordable housing units for seniors, commercial space, and								
Charles in Control 1 Control	Affordable Housing		pedestrian improvements such as new sidewalks and complete	62.402.002	44.040	0.0050	4400	,	2012	20	Alonosasta
Strategic Growth Council	Sustainable Communities	Hayward Senior Apartments	street features.	\$2,183,000	11,613	0.0053	\$188	1	2016	30	Alameda
Stratogic Crawth Carrell	Affordable Housing	127th Ctroot Amoutton anti-	Integrated connectivity project with 85 affordable housing units	ć4 F00 000	10 143	0.0434	ćoo	4	2047	30	Loc Appoles
Strategic Growth Council	Sustainable Communities	127th Street Apartments	and new pedestrian infrastructure.	\$1,500,000	18,142	0.0121	\$83	1	2017	30	Los Angeles

					GHG		\$	Number	GHG	Project	
				Total Dollars	Reductions	, ,	Implemented		Reduction		
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Transit-oriented development with 85 housing units (84								
	Affordable Housing		affordable) for seniors and improvements to the San Leandro								
Strategic Growth Council	Sustainable Communities	San Leandro Senior	BART transit station.	\$7,997,808	15,874	0.0020	\$504	1	2017	30	Alameda
	Affordable Housing		Integrated connectivity project with 80 housing units (40								
Strategic Growth Council	Sustainable Communities	Hotel Fresno	affordable).	\$4,800,000	15,430	0.0032	\$311	1	2017	30	Fresno
	Affordable Housing		Integrated connectivity project with 30 affordable single-family,								
Strategic Growth Council	Sustainable Communities	Central Commons	owner-occupied houses.	\$1,000,000	2,798	0.0028	\$357	1	2018	30	Alameda
			Transit-oriented mixed-use development project with 51								
	Affordable Housing		affordable housing units for underserved individuals with on-site								
Strategic Growth Council	Sustainable Communities	Anchor Village	amenities.	\$5,857,096	14,404	0.0025	\$407	1	2017	30	San Joaquin
			Transit-oriented development with 62 affordable housing units								
			for seniors. Project includes on-site amenities and off-site								
	Affordable Housing	El Cerrito Senior Mixed Use	improvements to pedestrian and bicycle infrastructure								
Strategic Growth Council	Sustainable Communities	Apartments	connecting existing transit stations.	\$5,657,872	14,140	0.0025	\$400	1	2017	30	Contra Costa
			Integrated connectivity mixed-used project consisting of 77								
			housing units (76 affordable) and retail space. Transportation								
	Affordable Housing		improvements provide greater alternative transportation	4							
Strategic Growth Council	Sustainable Communities	Transportation Infrastructure	options and connectivity to nearby communities.	\$6,730,888	29,374	0.0044	\$229	1	2018	30	Yolo
	Affordable Housing		Integrated connectivity project with 138 affordable housing units	4.0							
Strategic Growth Council	Sustainable Communities		for veterans.	\$6,109,114	21,712	0.0036	\$281	1	2017	30	Riverside
		Truckee Railyard Downtown									
	Affordable Housing	Corridor Improvements	Integrated connectivity project with 81 housing units (61	4							
Strategic Growth Council	Sustainable Communities	Project	affordable).	\$8,000,000	20,079	0.0025	\$398	1	2017	30	Nevada
			Transit-oriented mixed-use development project with 82								
	Affordable Housing	MacArthur Park Apartments	affordable housing units plus retail space with improved access	4			4				
Strategic Growth Council	Sustainable Communities	Phase B	to the Metro Red and Purple lines.	\$7,014,560	33,572	0.0048	\$209	1	2018	30	Los Angeles
			Integrated connectivity project providing an alternative								
	Affordable Housing		transportation option for rural farmworkers in Merced, Madera,	42 222 222	12 120	0.0040	40.47		2016	l .	
Strategic Growth Council	Sustainable Communities	Vanpool Expansion Project	Fresno, Tulare, Kings, Kern, Monterey, and Imperial Counties	\$3,000,000	12,139	0.0040	\$247	1	2016	4	Fresno
	Affordable Housing	El Segundo Family	Integrated connectivity project with 75 affordable housing units	44 000 000	45.460	0.0004	6422		2010	20	
Strategic Growth Council	Sustainable Communities	Apartments	located near transit.	\$1,900,000	15,460	0.0081	\$123	1	2018	30	Los Angeles
Stratogic Crowth Course!	Affordable Housing	Jordan Downs, Phase 1	Integrated connectivity project with 100 affordable housing units	¢6 E00 000	20 622	0.0022	Ć245		2017	20	Los Angeles
Strategic Growth Council	Sustainable Communities	Jordan Downs, Phase 1	in a master-planned community. Transit-oriented mixed-used development with 143 affordable	\$6,500,000	20,623	0.0032	\$315	1	2017	30	Los Angeles
			housing units, neighborhood retail, and a pedestrian walkway								
	Affordable Housing	Mission Bay South Block 6	that will link the future Mission Bay Kid's Park with the existing								San
Strategic Growth Council	Sustainable Communities	'	Mission Bay Commons Park.	\$4,999,989	51,747	0.0103	\$97	1	2017	20	San Francisco
Strategic Growth Council	Affordable Housing	East	Transit-oriented development with 103 affordable housing units	<i>چون دون د</i>	31,747	0.0103	, je 7	1	2017	30	San
Strategic Growth Council	Sustainable Communities	Eddy & Taylor Family Housing	and upgrades to nearby pedestrian facilities.	\$12,284,976	47,640	0.0039	\$258	1	2018	20	Francisco
Strategic Growth Council	Affordable Housing	19th Street Senior	Integrated connectivity project with 63 affordable housing units	712,204,370	47,040	0.0039	Ş 2 30	<u></u>	2010	30	i i alicisco
Strategic Growth Council	Sustainable Communities	Apartments	for seniors.	\$2,559,394	17,058	0.0067	\$150	1	2016	30	Kern
or archic Growth Council	Sastamable Communities	r spartificates	Transit-oriented mixed-use development with 120 affordable	72,333,334	17,038	0.0007	7130		2010	30	IXCIII
	Affordable Housing		housing units, on-site childcare facilities, and improvements to a								San
Strategic Growth Council	Sustainable Communities	222 Beale Street	nearby bus stop shelter.	\$6,500,000	19,461	0.0030	\$334	1	2017	30	Francisco
on accesse of owen council	Sastamable Communities	ZZZ Beale Street	Integrated connectivity infill project with 125 housing units (123	70,300,000	15,401	0.0030	7554	1	2017	30	
	Affordable Housing		affordable) that will serve families, seniors, and the chronically								
Strategic Growth Council			homeless.	\$1,900,000	29,188	0.0154	\$65	1	2018	30	Los Angeles
Strategic Growth Council	Justamable Communities	Imosaic Saraciis at Westlake	nomeress.	71,300,000	29,100	0.0134	ŞU3	1	2010	1 30	LOS Aligeies

				Total Dollars	GHG Reductions	MTCO2e / \$	\$ Implemented	Number of	GHG Reduction	Project Life	
Agency	Program	Project Name	Description	Implemented	(MTCO2e)	Implemented	/ MTCO2e	Projects	Start	(Years)	County
			Avoids conversion of agricultural land to more intensive non-								
	Containable Assistantement Lands	Mana Causti Cuatainahla	agricultural uses through an inventory and prioritization for								
	Sustainable Agricultural Lands	•	conservation of highly productive and critically threatened	4400 000				_	2010		
Strategic Growth Council	Conservation	Agricultural Land Strategy	agricultural lands, and development of mitigation strategies.	\$100,000	TBD	ТВС	TBD	1	2018	30	Mono
			Avoids conversion of agricultural land to more intensive non-								
	Sustainable Agricultural Lands	, ,	agricultural through completion of County agricultural land	4				_			
Strategic Growth Council	Conservation	Land Conservation Strategy	mitigation and related climate action strategies.	\$100,000	TBD	ТВГ	TBD	1	2017	30	Butte
			Avoids conversion of agricultural land to more intensive non-								
		Mendocino County	agricultural uses through increasing the capacity of local land								
		Agricultural Land	trusts and agricultural conservation easements programs, local								
	Sustainable Agricultural Lands	Conservation Planning	coordination, and prioritizing areas for conservation easement								
Strategic Growth Council	Conservation	Program	acquisitions.	\$93,400	TBD	TBE	TBD	1	2017	30	Mendocino
			Avoids conversion of the high quality agricultural land in Pajaro								
			Valley to other uses and improves long term agricultural viability								
			through a rotational cover crop plan; keeping the most								
	Sustainable Agricultural Lands	Rotational Cover Crop Plan	productive land in use, while prioritizing lesser productive lands								
Strategic Growth Council	Conservation	for Pajaro Valley	into voluntary rotational fallowing.	\$99,095	TBD	TBD	TBD	1	2017	30	Monterey
			Avoids conversion of the agricultural land to more GHG intensive								
		A Sustainable Agricultural	non-agricultural uses through a mapping, modeling and policy								
	Sustainable Agricultural Lands	Lands Policy Framework?	framework; resulting in common conservation objectives among								
Strategic Growth Council	Conservation	Southern Santa Clara Valley	jurisdictions.	\$100,000	TBD	ТВС	TBD	1	2018	30	Santa Clara
J	Sustainable Agricultural Lands	·	Agricultural conservation easement extinguishing development	,							
Strategic Growth Council		SALCP_PP25_Mono	rights on a 2,475 acre ranch in perpetuity.	\$917,500	45,637	0.0497	\$20	1	2017	30	Mono
J	Sustainable Agricultural Lands		Agricultural conservation easement extinguishing development	,	·						
Strategic Growth Council		SALCP PP22 Marin	rights on a 300 acre ranch in perpetuity.	\$490,050	963	0.0020	\$509	1	2017	30	Marin
	Sustainable Agricultural Lands		Agricultural conservation easement extinguishing development	,							
Strategic Growth Council		SALCP PP5 Monterey	rights on a 129 acre farm in perpetuity.	\$392,000	1,316	0.0034	\$298	1	2018	30	Monterey
	Sustainable Agricultural Lands		Agricultural conservation easement extinguishing development	, ,	,= -		,				,
Strategic Growth Council		SALCP PP16a and b Napa	rights on a 1,558 acre ranch in perpetuity.	\$504,000	1,963	0.0039	\$257	1	2017	30	Napa
220 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sustainable Agricultural Lands		Agricultural conservation easement extinguishing development	, , , , , ,	=,= 55	31300	7-21				Butte,
Strategic Growth Council	_	Tehama	rights on a 8,796 acre ranch in perpetuity.	\$1,163,000	19,388	0.0167	\$60	1	2018		Tehama
	Sustainable Agricultural Lands		Agricultural conservation easement extinguishing development	, _,,		0.020	750				
Strategic Growth Council		SALCP PP11 Lassen	rights on a 582 acre ranch in perpetuity.	\$226,500	1,353	0.0060	\$167	1	2018	30	Lassen

^{1.} For FY 2014-15, as an interim guide to comply with the GHG reduction requirement, Caltrans, in consultation with ARB, developed and used a list of eligible projects determined to meet the statutory requirements of SB 862 for distribution of funds, and did not quantify GHG emission reductions at the project scale. For FY 2015-16, ARB and Caltrans developed a quantification methodology to estimate GHG emission reductions prior to project implementation.

^{2.} The High Speed Rail Project (HSR) is expected to reduce GHG emissions by 44 million metric tons, per the 2016 Annual Report to the Legislature. The 2016 Annual Report includes the estimated GHG reductions from the complete High Speed Rail System, but does not attribute these total system reductions to a particular year of funding. The High-Speed Rail Authority's updated forecasts (to be provided for ARB and public review in its forthcoming Sustainability Report) based on the 2016 Business Plan, provide a range of 58 to 71 million MTCO2e in reduced emissions over the first 50 years of its operating life. GGRF funds provide a critical part of the total funds for the system, though it is difficult to estimate precisely what the ultimate GGRF investment will be, and consequently, a comparable cost effectiveness per ton of emissions reduced. Analyzing the proposed capital cost, without Federal or Prop 1a funds (approximately \$51.6 billion), results in between \$718 and \$888 per ton, and .0014 to .0011 ton/\$.